



MOYANO



BROADCAST ANTENNAS

RADIO AND TV



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MOYANO is since 1960 the pioneer Company in the Spanish Radio Frequencies technology, basing its development in the design and construction of Antennas, Power devices and Telecommunication Towers.

MOYANO is today the company that offers to their clients the best solutions in technology and Infrastructure for Broadcast Networks.

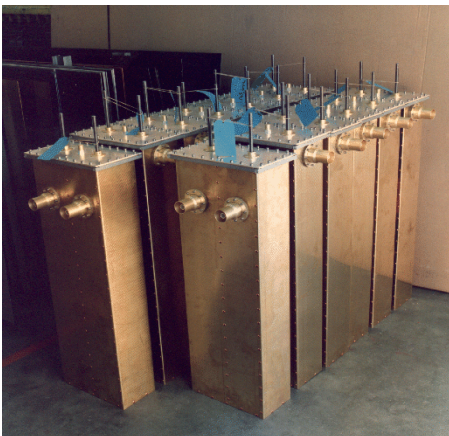
The technological development based in the applied engineering facility is fully supported by a production group as well as installation and maintenance division.



Our installations incorporate the most modern technical facilities: Anechoic chambers, spectrum and network analysers, intermodulation product testing equipment, software to calculate radiation diagrams, calculation of coverage areas, antennas testing range, software to simulate electromagnetic structures, etc...

Broadcast

We offer the design, manufacture and installation of antennas, multiplexors, filters and other components for radiating systems such as TV/Radio Broadcasting systems.



Quality: MOYANO is a company who incorporates highly qualified personnel in its full range of products. Since its creation there has been special emphasis in the production quality to be superior to the general customer expectations



We have standard solutions and custom made designs for low, medium and high power systems, obtaining high gain, power and coverage.

Our range of products include Medium Wave and Bands I, II, III, IV/V (44-860 MHz) in several polarizations; horizontal, vertical, circular.

Likewise, we have developed solutions for DAB and DVB.



Television broadcasting - channel system standards

Many different channel systems are in use throughout the world, and vary per country. A channel number represents a frequency. To the average person, a channel is represented with a number (channel 2, channel 5, etc.). To a television set, a channel number is actually a frequency. One way channel systems differ is in the amount of space between channels. Other differences include the number of lines per screen and sound offset.

There are four distinct broadcast bands in television: VHF, UHF, KU-Band and C-Band. VHF (Very High Frequency) is the original broadcast band and consists of the lower numbered channels. UHF (Ultra High Frequency) is an extension of broadcasting channels using a higher range of frequencies. The C-band is used for satellite broadcasting using frequencies in the 4GHz range and the KU-band is also used for satellite broadcasting using frequencies in the 11GHz range.

Channel systems have almost no dependence on audio, video or subtitling systems, but most are defined to a specific broadcast band. Exemptions to dependencies include the channel system M which is always used with NTSC. Other channel systems are used in certain areas of the world. For example channel system K and K' are used only by France and its territories. Russia and many former Eastern Block countries use both D and K systems. Many countries use two different channel systems. The first one listed applies to VHF channels, while the second applies to UHF channels.

The chart below gives some technical aspects of each different channel system.

CHANNEL SYSTEM TECHNICAL ASPECTS									
System	# / Frames	# / Lines	Freq. Band	Channel Width (MHz)	Vision Width (MHz)	Sound Offset (MHz)	Vision Modulation	Sound Modulation	In Use?
A	25	405	VHF	.	.	-3.5	Pos.	.	No
B	25	625	VHF	7.0	5.0	+5.5	Neg.	FM	Yes
C	25	625	VHF	.	.	+5.5	Pos.	FM	Yes
D	25	625	VHF	8.0	6.0	+6.5	Neg.	FM	Yes
E	25	819	VHF	.	.	11	Neg.	.	No
F	25	819	VHF	.	.	+5.5	Pos.	.	No
G	25	625	UHF	8.0	5.0	+5.5	Neg.	FM	Yes
H	25	625	UHF	8.0	5.0	+5.5	Neg.	FM	Yes
I	25	625	UHF	8.0	5.5	+6.0	Neg.	FM	Yes
K	25	625	UHF	8.0	6.0	+6.5	Neg.	FM	Yes
K'	25	625	UHF	8.0	6.0	+6.5	Neg.	FM	Yes
L	25	625	UHF	8.0	6.0	+6.5	Pos.	AM	Yes
M	30	525	both	6.0	4.2	+4.5	Neg.	FM	Yes
N	25	625	both	6.0	4.2	+4.5	Neg.	FM	Yes
C-	varies	varies	11GHz	.	.	+6.5	Pos.	FM	Yes
Ku-	varies	varies	11GHz	.	.	+6.5	Neg.	FM	Yes

Systems and Standards by Country

African Countries					American Countries				
Country	Color	VHF	UHF	Stereo	Country	Color	VHF	UHF	Stereo
Algeria	PAL	B	G	-	Argentina	PAL-N	N	N	MTS
Angola	PAL	I	-	-	Bolivia	NTSC	M	N	-
Cameroon	PAL	B	G	-	Brazil	PAL M	M	M	-
Egypt	SECAM/PAL	B	G	-	Canada	NTSC	M	M	BTSC
Ethiopia	PAL	B	-	-	Chile	NTSC	M	M	BTSC
Ghana	PAL	B	G	-	Colombia	NTSC	M	M	-
Madagascar	SECAM(V)	K1	-	-	Costa Rica	NTSC	M	M	-
Mali	SECAM(V)	K1	-	-	Cuba	NTSC	M	M	-
Mauritania	SECAM(V)	B	-	-	Dominican Rep.	NTSC	M	M	-
Morocco	SECAM(V)	D	-	-	Ecuador	NTSC	M	M	-
Mozambique	PAL	B	-	-	El Salvador	NTSC	M	M	-
Somalia	PAL	B	-	-	Guatemala	NTSC	M	M	-
South Africa	PAL	I	I	Nicam I	Honduras	NTSC	M	M	-
Sudan	PAL	B	G	-	Mexico	NTSC	M	M	BTSC
Tunisia	SECAM(V)	K1	-	-	Nicaragua	NTSC	M	M	-
Zaire	SECAM(V)	K1	-	-	Panama	NTSC	M	M	-
Zambia	PAL	B	G	-	Paraguay	PAL-N	N	N	-
					Peru	NTSC	M	M	-
					Puerto Rico	NTSC	M	M	-
					Uruguay	PAL-N	N	N	-
					USA	NTSC	M	M	BTSC
					Venezuela	NTSC	M	M	-
European countries					Asian countries and Australia				
Country	Color	VHF	UHF	Stereo	Country	Color	VHF	UHF	Stereo
Austria	PAL	B	G	Zweiton	Abu Dhabi	PAL	B	G	-
Belgium	PAL	B	H	Nicam	Afghanistan	PAL & SECAM (H)	B	-	-
Bulgaria	SECAM(H)	D	K	-	Australia	PAL	B	G	Zweiton
Czech Republic	SECAM(H)/PAL	D	K	-	Bangladesh	PAL	B	-	-
Denmark	PAL	B	G	Nicam	Belarus	SECAM	D	K	-
Finland	PAL	B	G	Nicam	China	PAL	D	-	Zweiton D
France	SECAM(V)	L	L	-	Djibouti	SECAM(V)	B	G	-
Germany	PAL	B	G	-	India	PAL	B	-	-
Greece	SECAM/PAL	B	G	-	Indonesia	PAL	B	G	-
Hungary	SECAM/PAL	D	K	-	Iran	SECAM(H)	B	G	-
Italy	PAL	B	G	Zweiton	Japan	NTSC	M	M	EIAJ
Netherlands	PAL	B'	G	-	Malaysia	PAL	B	G	Zweiton
Norway	PAL	B	G	Nicam	Pakistan	PAL	B	-	-
Poland	PAL	B	G	-	Philippines	NTSC	M	M	-
Portugal	PAL	B	G	-	Saudi Arabia	PAL	B	G	-
Romania	PAL	B	G	-	Singapore	PAL	B	G	Nicam
Russia	SECAM(H)	D	K	-	Taiwan	NTSC	M	-	-
Slovakia	PAL	B	G	-	Thailand	PAL	B	-	-
Spain	PAL	B	G	-	Vietnam	NTSC	M	-	-
Sweden	PAL	B	G	Nicam					
Switzerland	PAL	B	G	-					
Turkey	PAL	B	G	-					
United Kingdom	PAL	I	I	-					
Yugoslavia	PAL	B	G	-					

Circular Polarization

Tuned

MY - HELIAX

Technical Specification

Frequency	87.5 - 108 MHz Tuned
Polarization	Circular
Azimuthal Pattern	Omni +/- 2dB ex-tower influence
Axial Ratio	Less than 3 dB
Gain	2.15 dBi
VSWR	< 1.1 : 1 +/- 400 KHz
Impedance	50 Ω
Power Handling	2 Kw
Connectors	DIN 7/16
Lightning Protection	DC Grounded

Special balun to minimize tower influences. Easy tube instalation in array configuration

Length	1300 mm
Width	400 mm
Height	600 mm
Weight	8 Kg
Mounting	To suit pole 60 mm Ø
Wind Speed	160 Km/h
Materials	Feeding lines galvanized steel Helix in copper, teflon isolators



MY - CYCLONE

Technical Specification

Frequency	87.5 - 108 MHz Tuned
Polarization	Circular
Azimuthal Pattern	Omni +/- 2dB ex-tower influence
Axial Ratio	+/- 3 dB free space
Gain	2.15 dBi
VSWR	< 1.1 : 1 ± 150 KHz
Impedance	50 Ω
Power Handling	600 w
Connectors	N(F)
Lightning Protection	DC Grounded

Factory tuned upon request. Specially suited for individual use or stacked medium power systems

Length	1230 mm
Width	305 mm
Height	700 mm
Weight	3.8 Kg
Mounting	To suit pole 25 - 70 mm Ø
Wind Speed	160 Km/h
Materials	Stainless steel, plated brass and PVC



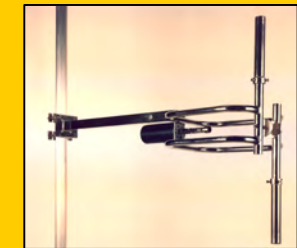
MY - SYREN

Technical Specification

Frequency	87.5 - 108 MHz Tuned
Polarization	Circular
Azimuthal Pattern	Omni +/- 2dB ex-tower influence
Axial Ratio	+/- 3 dB free space
Gain	2.15 dBi
VSWR	< 1.1 : 1 ± 200 KHz
Impedance	50 Ω
Power Handling	4 Kw
Connectors	EIA 7/8"
Lightning Protection	DC Grounded

Factory tuned upon request. Specially suited for individual use or stacked medium power systems

Length	1300 mm
Width	325 mm
Height	800 mm
Weight	4.8 Kg
Mounting	To suit pole 25 - 70 mm Ø
Wind Speed	160 Km/h
Materials	Stainless steel, silver-plated brass and PVC Radomized connector for ice protection



BAYS	GAIN	LENGTH	MY-Cyclone		MY-Syren		MY-HeliAx	
			POWER (Kw)	INPUT SPLITTER	POWER (Kw)	INPUT SPLITTER	POWER (Kw)	INPUT SPLITTER
2	5 dBi	2.5 m	0.6	N(H)	8	EIA 1 5/8"	4	EIA 1 5/8"
4	8 dBi	7.5 m	2.4	DIN 7/16	10	EIA 1 5/8"	8	EIA 1 5/8"
6	10 dBi	12.5 m	3.6	DIN 13/30 or EIA7/8"	12	EIA 1 5/8"	12	EIA 1 5/8"
8	11 dBi	17.5 m	4.8	DIN 13/30 or EIA7/8"	12	EIA 1 5/8"	16	EIA 3 1/8"
12	13 dBi	27.5 m	7.2	EIA 1 5/8"	30	EIA 3 1/8"	24	EIA 3 1/8"

Circular Polarization Broadband

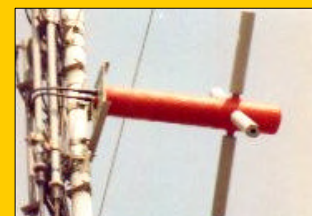
MY - Tetra Q

Technical Specification

Frequency	87.5 - 108 MHz
Polarization	Circular
Azimuthal Pattern	Omni ± 1.5dB
Axial Ratio	± 3 dB in 240°
Gain	2.15 dBi
VSWR	< 1.3 : 1 Broadband
Impedance	50 Ω
Power Handling	2 x 2,5 Kw
Connectors	2 X DIN 7/16
Lightning Protection	DC Grounded

Individual fed, enabling polarization control and possibility of using each conector in separate transmitters

Length	900 mm
Width	1300 mm
Height	1300 mm
Weight	28 Kg
Mounting	To suit pole 60 or 101 mm Ø
Wind Speed	30 Kg Front @ 160 Km/h
Materials	Aluminum dipoles. Feeding lines in copper, Teflon isolators, Inclemency radome against enviroment adverse



Tetra Q					
BAYS	GAIN (dBd) (each polarization)	LENGTH	POWER (Kw)	INPUT SPLITTER	WEIGHT (Kg)
2	1.7	4.4 m	10	EIA 1 5/8"	30
4	4.7	10	20	EIA 3 1/8"	60
6	6.5	15	30	EIA 3 1/8"	90
8	7.7	20.6	40	EIA 4 1/8"	120

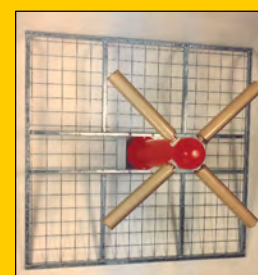
MY - Tetra Q2

Technical Specification

Frequency	87.5 - 108 MHz
Polarization	Circular
H Beamwidth	110°
V Beamwidth	75°
Gain	6.6 dBi
VSWR	< 1.2 : 1 Broadband
Impedance	50 Ω
Power Handling	2 x 2,5 Kw
Connectors	2 X DIN 7/16
Lightning Protection	DC Grounded
Front to Back Ratio	> 12 dB

Ideal for several faces mounting in triangular or square towers.

Length	1000 mm
Width	1700 mm
Height	1700 mm
Weight	57 Kg
Mounting	To suit pole 60 or 101 mm Ø
Wind Load	90 Kg Front @ 160 Km/h
Materials	Aluminum dipoles. Feeding lines in copper, Teflon isolators, Inclemency radome against enviroment adverse



MY - Tetra Q3

Technical Specification

Frequency	87.5 - 108 MHz
Polarization	Circular
H Beamwidth	70°
V Beamwidth	100°
Gain	7.5 dBi
VSWR	< 1.15 : 1 Broadband
Impedance	50 Ω
Power Handling	2 x 2,5 Kw
Connectors	2 X DIN 7/16
Lightning Protection	DC Grounded
Front to Back Ratio	> 15 dB

High Gain. Ideal for several faces mounting in triangular or square towers.

Length	1300 mm
Width	1700 mm
Height	1700 mm
Weight	65 Kg
Mounting	To suit pole 60 or 101 mm Ø
Wind Load	95 Kg Front @ 160 Km/h
Materials	Aluminum dipoles. Feeding lines in copper, Teflon isolators, Inclemency radome against enviroment adverse



Tetra Q2			
BAYS	FACES	GAIN (dBd) (each polarization)	POWER (Kw)
1	2	0.8	10
	3	-1	15
2	2	3.8	20
	3	2	30
3	2	5.5	30
	3	3.7	45

Tetra Q3 (each polarization)					
FACES	GAIN (dBd) / POWER				LENGTH (Mts)
	1	2	3	4	
BAYS	5 Kw each bay	10 Kw each bay	15 Kw each bay	20 Kw each bay	
1		1,7	0,2	-1,1	1,7
2	5,3	4,7	3,2	1,8	4
4	8,3	7,7	6,2	4,8	8,6
6	10,2	9,5	8,0	6,7	13,2
8	11,3	10,7	9,3	7,8	18

Circular Polarization HIGH GAIN PANEL

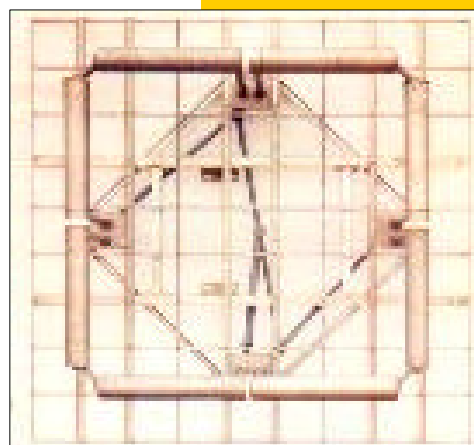
MY - 4DC

High Power: 10 Kw per panel. Ideal for stacking for any radiation pattern

Technical Specification

Frequency	87.5 - 108 MHz	Length	900 mm
Polarization	Circular	Width	2315 mm
H Beamwidth	70°	Height	2315 mm
V Beamwidth	60°	Weight	140 Kg
Gain	9,5 dBi	Mounting	To suit pole 114 mm Ø
VSWR	< 1.1 : 1 Broadband	Wind Load	210 Kg Front @ 150 Km/h 30 Kg Side @ 150 Km/h
Impedance	50 Ω	Materials	Hot dip galvanized dipoles. Feeding lines in copper, Teflon isolators, hot dip galvanized reflector grid.
Power Handling & Conectors			
DC1	2 X DIN 7/16	2 x 2,5 Kw	
DC2	2 X DIN 13/30	2 x 5 Kw	
DC3	1 X EIA 1 5/8"	10 Kw	
Lightning Protection	DC Grounded		
Front to Back Ratio	> 18 dB		

MY-4DC Panel				
BAYS	FACES	GAIN (dBd) (each polarization)	WEIGHT (Kgs)	LENGHT (Mts)
1	2	1.5	280	2.3
	3	0.1	420	
	4	-1.2	560	
2	1	7.3	280	5.3
	2	4.5	560	
	3	3.3	840	
4	4	1.8	1120	11.5
	1	10.3	560	
	2	7.5	1120	
6	3	6.3	1680	17.6
	4	4.8	2240	
	1	12.1	840	
8	2	9.3	1680	23.7
	3	8.1	2520	
	4	6.6	3360	
	1	13.3	1120	
	2	10.5	2240	
	3	9.3	3360	
	4	7.8	4480	



Lineal Polarization

HIGH GAIN PANEL

MY - BII2DD-TT -A -G

Technical Specification

Frequency	87.5 - 108 MHz	
Polarization	Horizontal	
H Beamwidth	80°	
V Beamwidth	60°	
Gain	7 dBd	
VSWR	< 1.2 : 1 Broadband	
Impedance	50 Ω	
Power Handling & Conectors		
	EIA 7/8"	4 Kw
	EIA 1 5/8"	5 Kw
Lightning Protection	DC Grounded	
Front to Back Ratio	> 18 dB	

Probe in the connector under request

-A: Aluminum -G:Galvanized

High Power:5 Kw per panel. Ideal for stacking triangular tower for any radiation pattern

Length	2500	mm
Width	1700	mm
Height	780	mm
Weight	32 Al / 93 Stain	Kg
Mounting	To suit pole 42-114 mm Ø	
Wind Load	33Kg Front @ 160 Km/h	
	12 Kg Side @ 150 Km/h	
Materials	Galvanized/Aluminum dipoles. Feeding lines in copper, Teflon isolators, hot dip galvanized/Aluminum reflector grid.	
Packing	2600x1800x220mm	
Wind Survival	225 Km/h	

MY-BII2DD Panel				
BAYS	F	GAIN (dBd)	WEIGHT (Kgs)	LENGHT (Mts)
1	2	3.8	64	2.5
	3	2.1	96	
	4	-0.3	128	
2	1	9.8	64	5
	2	6.8	128	
	3	5.1	192	
	4	2.7	256	
4	1	12.8	128	7.5
	2	9.8	256	
	3	8.1	384	
	4	5.7	512	
6	1	14.6	192	10
	2	11.6	384	
	3	9.9	576	
	4	7.5	768	
8	1	15.8	256	12.5
	2	12.8	512	
	3	11.1	768	
	4	8.7	1024	





Lineal Polarization

HIGH GAIN PANEL

MY - BII2DD-ST -A -G

High Power:5 Kw per panel. Ideal for stacking square tower for any radiation pattern

Technical Specification

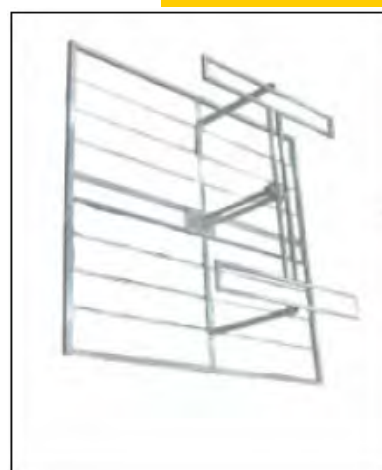
Frequency	87.5 - 108 MHz	
Polarization	Horizontal / Vertical	
E Beamwidth	70°	
H Beamwidth	60°	
Gain	7.5 dBd	
VSWR	< 1.15 : 1 Broadband	
Impedance	50 Ω	
Power Handling & Conectors		
	EIA 7/8"	4 Kw
	EIA 1 5/8"	5 Kw
Lightning Protection	DC Grounded	
Front to Back Ratio	> 18 dB	

Length	2300	mm
Width	2300	mm
Height	750	mm
Weight	36 Al/ 104 Gal	Kg
Mounting	To suit pole 42-114 mm Ø	
Wind Load	150Kg Front @ 150 Km/h	
	25 Kg Side @ 150 Km/h	
Materials	Galvanized/Aluminum dipoles. Feeding lines in copper, Teflon isolators, hot dip galvanized/Aluminum reflector grid.	
Packing	1500x2500x220mm	
Wind Survival	225 Km/h	

Probe in the connector under request

-A: Aluminum -G:Galvanized

MY-BII2DD Panel				
BAYS	F	GAIN (dBd)	WEIGHT (Kgs)	LENGHT (Mts)
1	2	4.3	208	2.3
	3	2.6	312	
	4	0.2	416	
2	1	10.3	208	5.3
	2	7.3	416	
	3	5.6	624	
4	4	3.2	832	11.3
	1	13.3	416	
	2	10.3	832	
	3	8.6	1248	
6	4	6.2	1664	17.3
	1	15.1	416	
	2	12.1	832	
	3	10.4	1872	
8	4	8	1664	23.3
	1	16.3	416	
	2	13.3	832	
	3	11.6	2496	
	4	9.2	1664	



YAGI - FM

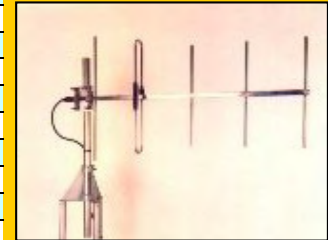
MY- YINX - FM

Yagi FM. Several Gains. Light and strong design.

Technical Specification

Frequency	87.5 - 108 MHz
Polarization	Linear (Vert. or Hor.)
Gain	From 5 to 12 dBi
VSWR	< 1.5 : 1 Broadband
Impedance	50Ω (or 75Ω upon request)
Power Handling	100 w (also 600w)
Connectors	N (F)
Lightning Protection	DC Grounded
Front to Back Ratio	>16dB
Connectors	N (F)
Lightning Protection	DC Grounded
Front to Back Ratio	>16dB

Weight	10	Kg
Mounting	To suit pole 50 to 60 mm Ø	
Wind Speed	200 Km/h	
Materials	Stainless steel and teflon	
Temperature	-40°C to +50°C	



MY-YINX-FM				
TYPE	GAIN (dBi)	BEAMWIDTH E (°)	BEAMWIDTH H (°)	LENGTH (mm)
MY-YINX-FM2	5	75	170	750
MY-YINX-FM3	7	65	105	1445
MY-YINX-FM4	8.5	60	80	1955
MY-YINX-FM5	10	52	63	2581
MY-YINX-FM6	11	45	56	2860
MY-YINX-FM7	12	38	50	3200

WIDE BAND DIPOLE

MY - FMPL 2Kw/5Kw

Specially suited for individual use or stacked medium power Systems. Gamma match adaptation

Technical Specification

Frequency	87.5 - 108 MHz
Polarization	Vertical
H Beamwidth	Omni ex-tower influence
V Beamwidth	80°
Gain	2,15 dBi
VSWR	< 1.3 : 1 Broadband
Impedance	50 Ω
Power Handling	2 Kw / 5 Kw
Connectors	DIN 7/16 EIA 7/8"
Lightning Protection	DC Grounded

Length	857	mm
Width	120	mm
Height	1352	
Weight	9	Kg
Mounting	To suit pole 60 mm Ø	
Wind Load	12 Kg @ 160 Km/h	
Materials	Fully Stainless Steel, silver-plated brass copper-beryllium and PTFE	



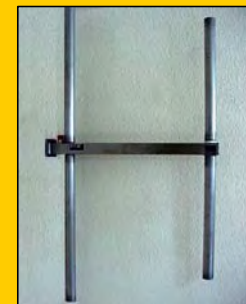
MY - FMPL2Y 2Kw/5Kw

Specially suited for individual use or stacked medium power Systems. Gamma match adaptation

Technical Specification

Frequency	87.5 - 108 MHz
Polarization	Vertical
H Beamwidth	180°
V Beamwidth	80°
Gain	5,15 dBi
VSWR	< 1.3 : 1 Broadband
Impedance	50 Ω
Power Handling	2 Kw / 5 Kw
Connectors	DIN 7/16 EIA 7/8"
Lightning Protection	DC Grounded

Length	857	mm
Width	120	mm
Height	1734	mm
Weight	11	Kg
Mounting	To suit pole 60 mm Ø	
Wind Load	25 Kg @ 160 Km/h	
Materials	Fully Stainless Steel, silver-plated brass copper-beryllium an PTFE	



BAYS	VERTICAL BEAMWIDTH	JUMPERS CABLE	LENGTH	POWER (Kw)	FMPL		FMPL2	
					GAIN (dBi)	INPUT SPLITTER	GAIN (dBi)	INPUT SPLITTER
2	36°	½"	3 m	4/10	5	1 5/8"	8	1 5/8"
4	17°	½"	9 m	8/12	8	1 5/8"	11	1 5/8"
6	11°	½"	15 m	12	10	1 5/8"	13	1 5/8"
8	9°	½"	21 m	16/40	11	3 1/8"	14	3 1/8"
10	7°	½"	27 m	20/40	12	3 1/8"	15	3 1/8"

WIDE BAND DIPOLE

MY - GM

Technical Specification

Frequency	87.5 - 108 MHz	
Polarization	Vertical	
H Beamwidth	Omni ex-tower influence	
V Beamwidth	80°	
Gain	2.15 dBi	
VSWR	< 1.3 : 1 Broadband	
Impedance	50 Ω	
Power Handling & Conectors		
	DIN 7/16	2,5 Kw
	EIA 7/8"	4 Kw
	DIN 13/30	5 Kw
	EIA 1 5/8"	10 Kw
Lightning Protection	DC Grounded	

Wide Band. Excellent radiant pattern. Outdoor radome against environment adverse

Length	1000	mm
Width	333	mm
Height	1260	mm
Weight	26	Kg
Mounting	To suit pole 60 mm Ø	
Wind Load	30 Kg @ 160 Km/h	
Materials	Aluminum dipoles. Feeding lines in copper, Teflon isolators, Inclemency radome against enviroment adverse	
Radome Colour	Red	



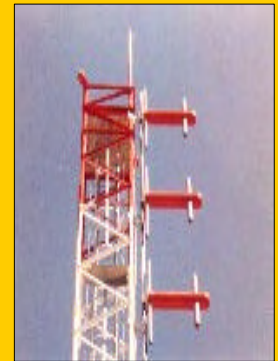
MY - GM2YS

Technical Specification

Frequency	87.5 - 108 MHz	
Polarization	Vertical	
H Beamwidth	220°	
V Beamwidth	67°	
Gain	5,15 dBi	
VSWR	< 1.3 : 1 Broadband	
Impedance	50 Ω	
Power Handling & Conectors		
	DIN 7/16	2,5 Kw
	EIA 7/8"	4 Kw
	DIN 13/30	5 Kw
Lightning Protection	DC Grounded	
Front to Back Ratio	> 6 dB	

Also Omnidirectional and super-directive versions

Length	1000	mm
Width	333	mm
Height	2090	mm
Weight	28.5	Kg
Mounting	To suit pole 60 mm Ø	
Wind Load	42 Kg @ 160 Km/h	
Materials	Aluminum dipoles. Feeding lines in copper, Teflon isolators, Inclemency radome against enviroment adverse	
Radome Colour	Red	



MY - GM3YS

Technical Specification

Frequency	87.5 - 108 MHz	
Polarization	Vertical	
H Beamwidth	150°	
V Beamwidth	70°	
Gain	5,5 dBi	
VSWR	< 1.3 : 1 Broadband	
Impedance	50 Ω	
Power Handling & Conectors		
	DIN 7/16	2,5 Kw
	EIA 7/8"	4 Kw
	DIN 13/30	5 Kw
Lightning Protection	DC Grounded	
Front to Back Ratio	> 12 dB	

Wide Band. Excellent beaming pattern. Also Omnidirectional an super-directive versions

Length	1320	mm
Width	333	mm
Height	2090	mm
Weight	30.5	Kg
Mounting	To suit pole 60 mm Ø	
Wind Load	55 Kg @ 160 Km/h	
Materials	Aluminum dipoles. Feeding lines in copper, Teflon isolators, Inclemency radome against enviroment adverse	
Radome Colour	Red	



BAYS	POWER (Kw)	BEAMWIDTH H	LENGTH (Mts)	GAIN (dBd)		
				GM	GM2Y	GM3Y
2	5	36°	4.2	5	8	8.5
4	10	17°	9.2	8	11	11.5
6	15	11°	15	10	13	13.5
8	20	8°	21.3	11	14	14.5
10	25	7°	27	12	15	15.5

WIDE BAND DIPOLE

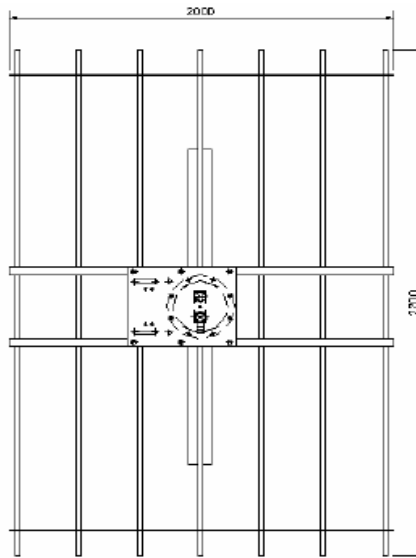
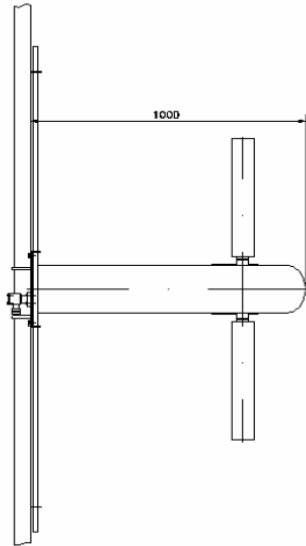
MY - GM2YPA

Wide Band. Excellent radiant pattern. Outdoor radome against environment adverse

Technical Specification

Frequency	87.5 - 108 MHz	
Polarization	Vertical	
H Beamwidth	120°	
V Beamwidth	24°	
Gain	5.5 dBi	
VSWR	< 1.3 : 1 Broadband	
Impedance	50 Ω	
Power Handling & Conectors	DIN 7/16	2,5 Kw
	EIA 7/8"	4 Kw
	DIN 13/30	5 Kw
	EIA 1 5/8"	10 Kw
Lightning Protection	DC Grounded	

Length	2000	mm
Width	2200	mm
Height	1000	mm
Weight	45	Kg
Mounting	To suit pole 60 mm Ø	
Wind Load	125 Kg @ 160 Km/h	
Materials	Aluminum dipoles. Feeding	
	lines in copper, Teflon isolators,	
	Inclemency radome against enviroment	
	adverse	
Radome Colour	Red	



DIRECTIONAL PANEL

HIGH GAIN

MY - 2DV

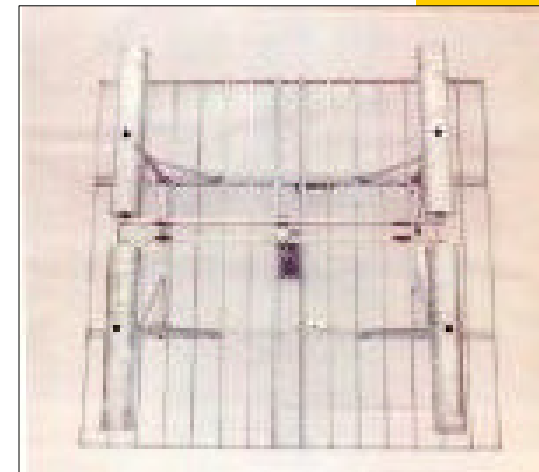
Technical Specification

Frequency	87.5 - 108 MHz	
Polarization	Lineal (Hor. or Vert.)	
H Beamwidth	64°	
V Beamwidth	60°	
Gain	10 dBi	
VSWR	< 1.15 : 1 Broadband	
Impedance	50 Ω	
Power Handling & Conectors		
	DIN 7/16	2,5 Kw
	EIA 1 5/8"	10 Kw
Lightning Protection	DC Grounded	
Front to Back Ratio	> 18 dB	

High Power: 10 Kw per panel. Ideal for stacking for any radiation pattern

Length	970	mm
Width	2290	mm
height	2480	mm
Weight	130	Kg
Mounting	To suit pole 113 mm Ø	
Wind Load	147 Kg @ 160 Km/h	
Materials	Hot dip galvanized dipoles. Feeding lines in copper, Teflon isolators, hot dip galvanized reflector grid.	

MY-2DV Panel				
BAYS	FACES	GAIN (dBd)	WEIGHT (Kgs)	LENGHT (Mts)
1	2	4.7	260	2.29
	3	3	390	
	4	1.7	520	
2	1	10.7	260	4.6
	2	7.7	520	
	3	6	780	
4	4	4.6	1040	10.6
	1	13.7	520	
	2	10.7	1040	
6	3	9	1560	16
	4	7.6	2080	
	1	15.5	780	
8	2	12.5	1560	21.4
	3	10.8	2340	
	4	9.4	3120	
8	1	16.7	1040	21.4
	2	13.7	2080	
	3	12	3120	
	4	10.6	4160	



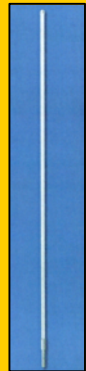
MY - 1130

Technical Specification

Frequency	195 - 223 MHz
Polarization	Vertical
H Beamwidth	Omni
V Beamwidth	28°
Gain	5 dBi
VSWR	< 1.5 : 1 Broadband
Impedance	50 Ω
Power Handling	500 W
Connectors	DIN 7/16 Female
Lightning Protection	DC Grounded

Colinear antenna. High gain design. Low profile & lightweight.
High peak power rating. Low intermodulation products

Length	3260	mm
Diameter	65	mm
Weight	8	Kg
Mounting	To suit pole 60 mm Ø	
Wind Load	35 Kg @ 180 Km/h	
Materials	Plated connector. Copper dipoles, aluminium spigot. Rugged fibreglass protection radome All parts welded	



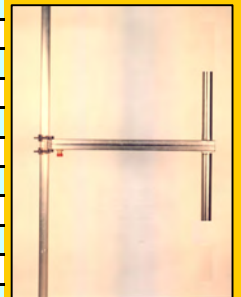
MY- 1150

Technical Specification

Frequency	195 - 223 MHz
Polarization	Vertical
H Beamwidth	Omni (ex-tower influence)
V Beamwidth	80°
Gain	2,15 dBi
VSWR	< 1.3 : 1 Broadband
Impedance	50 Ω
Power Handling	2 Kw
Connectors	DIN 7/16
Lightning Protection	DC Grounded
Tower influence	3-5 dB

DAB dipole. Gamma match adaptation. Fully stainless steel

Length	430	mm
Width	125	mm
Height	700	mm
Weight	6	Kg
Mounting	To suit pole 60 mm Ø	
Wind Load	25 Kg @ 160 Km/h	
Materials	Stainless steel, silver plated brass, copper-beryllium and PTFE	



MY-1150				
BAYS	VERTICAL BEAMWIDTH	GAIN (dBi)	POWER (Kw)	INPUT SPLITTER
2	36°	5	4	EIA 1 5/8"
4	17°	8	8	EIA 1 5/8"
6	11,4°	10	12	EIA 3 1/8"
8	8,5°	11	16	EIA 3 1/8"
10	7°	12	20	EIA 3 1/8"

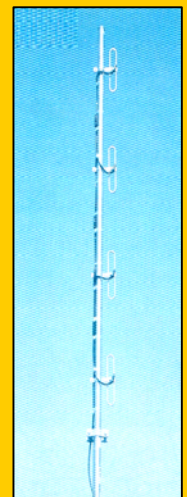
MY- 1180

Technical Specification

Frequency	195 - 223 MHz
Polarization	Vertical
H Beamwidth	160°
V Beamwidth	18°
Gain	10 dBi
VSWR	< 1.5 : 1 Broadband
Impedance	50 Ω
Power Handling	1 Kw
Connectors	DIN 7/16 (F)
Lightning Protection	DC Grounded

Four Folded Colinear Dipoles. Electrical tilt available. Offset horizontal radiation pattern.

Length	5000	mm
Diameter	48	mm
Weight	14	Kg
Mounting	To suit pole 60 mm Ø	
Wind Speed	18 Kg @ 160 Km/h	
Materials	Stainless steel pole and dipoles	
Temperature	-55°C to +65°C	



POWER SPLITTERS

MY-S2

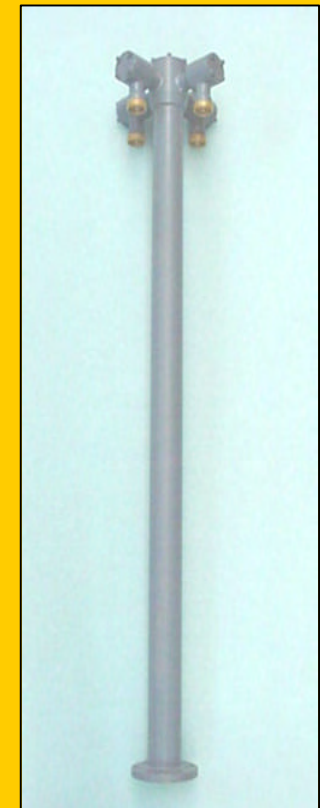
Technical Specification

Frequency	87.5 - 108 MHz
VSWR	<1.05 : 1 Broadband
Impedance	50 Ω
Insertion loss	< 0,18 dB
Power	From 0.6 to 140 Kw
Input Connector	N / EIA / DIN
Output Connector	N / EIA / DIN
Distribution	Symmetrical phase & amplitude

Vertical Output for easier instalation.

Number of outputs	2 to 12
Materials	Electrolytic copper, plated and passived brass, teflon insulators
	Leak proof by silicone tore joints.
	Copper-beryllium connectors
	termical processed and silver plated
Typical Length	1700 mm

MY-S2	Input connector code		Output connector code		Way number								Power (Kw)
	type	code	type	code	2	3	4	5	6	8	10	12	min/max
MY-S211x	N(F)	1	N(F)	1	x	x	x						0.6
MY-S222x	DIN 7/16 (F)	2	DIN 7/16	2	x	x	x		x				2.5
MY-S232x	EIA 7/8"	3	DIN 7/16	2			x	x	x				4
MY-S242x	DIN 13/30 (F)	4	DIN 7/16	2	x	x	x		x	x			5
MY-S244x		4	DIN 13/30	4	x								5
MY-S252x	EIA 1 5/8"	5	DIN 7/16	2	x	x	x	x	x	x	x	x	5 / 12
MY-S253x		5	EIA 7/8"	3	x		x						8 / 12
MY-S254x		5	DIN 13/30	4	x	x	x	x					10 / 12
MY-S255x		5	EIA 1 5/8"	5	x	x							12
MY-S272x	EIA 3 1/8"	7	DIN 7/16	2					x	x	x	x	15 / 30
MY-S273x		7	EIA 7/8"	3						x			30
MY-S274x		7	DIN 13/30	4			x	x	x	x	x		20 / 30
MY-S275x		7	EIA 1 5/8"	5	x	x	x	x	x				24 / 30
MY-S277x		7	EIA 3 1/8"	7	x								30
MY-S284x	DIN 43/98 (F)	8	DIN 13/30	4						x			40
MY-S285x		8	EIA 1 5/8"	5			x						48
MY-S286x		8	DIN 29/66	6	x	x	x						40 / 70
MY-S287x		8	EIA 3 1/8"	7	x								60
MY-S297x	EIA 4 1/2"	9	EIA 3 1/8"	7	x	x							60 / 80
MY-S207x	EIA 6 1/8"	0	EIA 4 1/2"	7	x								140



CAVITY FILTERS

MY-F2

Technical Specification

Frequency	87.5 - 108 MHz
VSWR	< 1.1 : 1 f _o +/-150 KHz
Impedance	50 Ω
Group delay	+/- 10 ns
Maximum Power	20 Kw

Materials	Electrolytic copper, plated and passived brass, teflon isolators, copper-beryllium connectors
	termical processed and silver-plated
	Pistons in silver-plated copper and invar rods.
	Cavities in brass



MY-F2	Power code		code / cavities	Connectors	Insertion Loss (dB)	Attenuation (dB)		Dimensions (mm)			Weight (Kg)
	Power	code				fo +/- 2MHz	fo +/- 6 MHz	Length	Heigth	Width	
MY-F2003	300 W	00	3	N(F)	≤ 0.7 dB	≥ 35 dB	≥ 60 dB	300	400	100	12.5
MY-F2012	1 Kw	01	2	DIN 7/16	≤ 0.3 dB	≥ 18 dB	≥ 38 dB	328	924	180	25
MY-F2013		01	3	DIN 7/16	≤ 0.5 dB	≥ 32 dB	≥ 60 dB	476	924	180	37
MY-F2014		01	4	DIN 7/16	≤ 0.7 dB	≥ 45 dB	≥ 80 dB	624	924	180	49
MY-F2032	2 Kw	03	2	DIN 7/16	≤ 0.3 dB	≥ 22 dB	≥ 40 dB	400	950	200	36
MY-F2033		03	3	DIN 7/16	≤ 0.4 dB	≥ 37 dB	≥ 60 dB	600	950	200	52.5
MY-F2034		03	4	DIN 7/16	≤ 0.7 dB	≥ 55 dB	≥ 80 dB	800	950	200	69
MY-F2052	5 Kw	05	2	EIA 1 5/8"	≤ 0.2 dB	≥ 24 dB	≥ 40 dB	674	1050	350	69
MY-F2053		05	3	EIA 1 5/8"	≤ 0.3 dB	≥ 42 dB	≥ 65 dB	998	1050	350	100.5
MY-F2054		05	4	EIA 1 5/8"	≤ 0.7 dB	≥ 60 dB	≥ 80 dB	1322	1050	350	132
MY-F2102	10 Kw	10	2	EIA 1 5/8"	≤ 0.1 dB	≥ 25 dB	≥ 40 dB	982	1050	495	100
MY-F2103		10	3	EIA 1 5/8"	≤ 0.2 dB	≥ 45 dB	≥ 65 dB	1427	1050	495	140
MY-F2104		10	4	EIA 1 5/8"	≤ 0.6 dB	≥ 60 dB	≥ 80 dB	1875	1050	495	180
MY-F2202	20 Kw	20	2	EIA 3 1/8"	≤ 0.1 dB	≥ 25 dB	≥ 40 dB	1338	1050	686	140
MY-F2203		20	3	EIA 3 1/8"	≤ 0.2 dB	≥ 45 dB	≥ 65 dB	1970	1050	686	190
MY-F2204		20	4	EIA 3 1/8"	≤ 0.6 dB	≥ 60 dB	≥ 80 dB	2600	1050	686	240

Vertical Output for easier
Other Input/Output connector upon reque:
Higher than 20 Kw, contact factory

STARPOINT COMBINERS

MY-DPII

Technical Specification

Frequency	87.5 - 108 MHz
VSWR	< 1.1 : 1 (in one FM Channel)
Impedance	50 ohms
Isolation between inputs	≥ 30 dB
Group Delay	+/- 10 ns
Number of inputs	2 to 4

Materials	Aluminium, copper and brass	
Output Connector	Up to 3 Kw	DIN 7/16
	Up to 10 Kw	EIA 1 5/8"
	Up to 40 Kw	EIA 3 1/8"
	Up to 80 Kw	EIA 4 1/8"

MY-DPII	Power code	Freq. Spacing code		Input connector	Insertion Loss	
	Input Power	code	Minimum Freq. Spacing	code		
MY-DPII033	300 W	00	1.8 MHz	3	N(F)	≤ 0.9 dB
MY-DPII1K2	1 Kw	01	5 MHz	2	DIN 7/16	≤ 0.4 dB
MY-DPII1K3		01	2 MHz	3	DIN 7/16	≤ 0.6 dB
MY-DPII1K4		01	1.2 MHz	4	DIN 7/16	≤ 0.8 dB
MY-DPII2K2	2 Kw	03	4.5 MHz	2	DIN 7/16	≤ 0.3 dB
MY-DPII2K3		03	1.5 MHz	3	DIN 7/16	≤ 0.5 dB
MY-DPII2K4		03	1 MHz	4	DIN 7/16	≤ 0.7 dB
MY-DPII5K2	5 Kw	05	4 MHz	2	EIA 1 5/8"	≤ 0.2 dB
MY-DPII5K3		05	1.3 MHz	3	EIA 1 5/8"	≤ 0.4 dB
MY-DPII5K4		05	0.8 MHz	4	EIA 1 5/8"	≤ 0.7 dB
MY-DPII10K2	10 Kw	10	4 MHz	2	EIA 1 5/8"	≤ 0.1 dB
MY-DPII10K3		10	1.3 MHz	3	EIA 1 5/8"	≤ 0.2 dB
MY-DPII10K4		10	0.8 MHz	4	EIA 1 5/8"	≤ 0.6 dB
MY-DPII20K2	20 Kw	20	4 MHz	2	EIA 3 1/8"	≤ 0.1 dB
MY-DPII20K3		20	1.3 MHz	3	EIA 3 1/8"	≤ 0.2 dB
MY-DPII20K4		20	0.8 MHz	4	EIA 3 1/8"	≤ 0.6 dB



DIRECTIONAL COMBINERS

MY-CDII

Technical Specification

Frequency	87.5 - 108 MHz
VSWR	<1.1 : 1 (in one FM Channel)
Impedance	50 W
Isolation between inputs	≥ 40 dB
(with filter in wide band input)	
Group Delay	+/- 10 ns
Number of inputs	2 to 14
Attenuation to Balanced Load	≥ 20 dB

Materials	Connectors in passived and silvering brass	
	Pistons in silver-plated copper and invar rods.	
	Copper-Beryllium thermic treated, silver-plated and passived. Cavities in brass.	
Output Connector	Up to 3 Kw	DIN 7/16
	Up to 10 Kw	EIA 1 5/8"
	Up to 40 Kw	EIA 3 1/8"
	Up to 80 Kw	EIA 4 1/8"
	Up to 140 Kw	EIA 6 1/8"
	Up to 300 Kw	EIA 9"

AM-DC2	Power code	Freq. Spacing code		Input connector	Insertion Loss in Narrow Band	Insertion Loss in Wide Band (without filter)	
	Input Power	code	Minimum Freq. Spacing	code			
AM-DC2003x	300 W	00	1.5 MHz	3	N(F)	≤ 0.7 dB	≤ 0.1 dB
AM-DC2012x	1 Kw	01	2.2 MHz	2	DIN 7/16	≤ 0.3 dB	≤ 0.1 dB
AM-DC2013x		01	1.2 MHz	3	DIN 7/16	≤ 0.5 dB	≤ 0.1 dB
AM-DC2014x		01	0.7 MHz	4	DIN 7/16	≤ 0.7 dB	≤ 0.1 dB
AM-DC2022x		03	2 MHz	2	DIN 7/16	≤ 0.3 dB	≤ 0.1 dB
AM-DC2023x	2 Kw	03	1 MHz	3	DIN 7/16	≤ 0.5 dB	≤ 0.1 dB
AM-DC2024x		03	0.7 MHz	4	DIN 7/16	≤ 0.7 dB	≤ 0.1 dB
AM-DC2052x		05	1.5 MHz	2	EIA 1 5/8"	≤ 0.2 dB	≤ 0.1 dB
AM-DC2053x	5 Kw	05	0.8 MHz	3	EIA 1 5/8"	≤ 0.3 dB	≤ 0.1 dB
AM-DC2054x		05	0.5 MHz	4	EIA 1 5/8"	≤ 0.7 dB	≤ 0.15 dB
AM-DC2102x	10 Kw	10	2 MHz	2	EIA 3 1/8"	≤ 0.1 dB	≤ 0.1 dB
AM-DC2103x		10	1 MHz	3	EIA 3 1/8"	≤ 0.2 dB	≤ 0.1 dB
AM-DC2104x		10	0.5 MHz	4	EIA 3 1/8"	≤ 0.6 dB	≤ 0.1 dB
AM-DC2202x	20 Kw	20	2 MHz	2	EIA 3 1/8"	≤ 0.1 dB	≤ 0.1 dB
AM-DC2203x		20	1 MHz	3	EIA 3 1/8"	≤ 0.2 dB	≤ 0.1 dB
AM-DC2204x		20	0.5 MHz	4	EIA 3 1/8"	≤ 0.6 dB	≤ 0.1 dB
AM-DC2205x		20	0.4 MHz	5	EIA 3 1/8"	≤ 0.4 dB	≤ 0.1 dB

Other Input/Output connector upon request
Other Powers, contact factory

Patch panels manual & motorised / Cuadros de conmutación manuales y motorizados

RADIO&TV
All bands

This devices are customized designs used to switch between two transmitter to one antenna, one transmitter over two half-antennas or to a dummy load in all the possibles combinations.

Sistemas Radiantes F. Moyano, S.A. patch panels are versatiles, have low losses, vey low VSWR and low cost reliable solution to multiconnection routing situations.

Patch panels are available in sizes of 1-5/8" through 6-1/8" with 3, 4 or 7 ports, embendedd splitter or diplexer.

Bolt type EIA flanges are standard. Transitions to *no flange* or other line sizes are available.

Suitable for FM, analog TV, DAB y DVB. Accurate measurements can be done with optionally probes.

Estos dispositivos se emplean para conmutar varios transmisores sobre una antena o un solo transmisor a un sistema de antena partida en todas sus posibles combinaciones.

Asimismo permiten cargar sobre una carga refrigerada. Bajo pedido se incluyen sondas calibradas en las líneas.

*Proporcionan gran versatilidad. Las almas son de latón plateado de 10 micras y los contactos de cobre-berilio recocido y plateado. Todo ello a un **precio muy competitivo**.*

Disponibles en norma EIA para 1 5/8" hasta 6 1/8" con 3,4 o 7 puertos. Incluyen opcionalmente interruptores de traba, lo que impide maniobras incorrectas.

Disponible con transiciones a línea sin brida. Diseñado para radio FM, TV analógica, DAB y DVB.



Patch panel with diplexer embendedd for BIII
Cuadro conmutador con multiplexor embedido

Suitable for mounting in a 19" rack normalized (Fabricado para montaje en rack 19")

Orientatives dimension of 7-ports patch panel

Dimensiones orientativas para cuadro de 7 bocas

Technical data for Patch Panels

Line	P _{máx}		
	100 MHz	230 MHz	860 MHz
DIN 7/16	2.5 Kw	2 Kw	1 Kw
EIA 1 5/8"	15 Kw	8Kw	5Kw
DIN 43-98	65 Kw	38 Kw	25 Kw
EIA 3 1/8"	40 Kw	25 Kw	16 Kw
EIA 6 1/8"	140 Kw	85 Kw	60 Kw (up to 800 MHz)

Tamb=40°C Tinner=120°C

Typical VSWF < 1.07

Insertion loss < 0.07 dB full band

In the 7 ports pach panel version, you can:
(with power splitter)

- 1) Out over the two halves
- 2) Out over the botom half
- 3) Out over the upper half
- 4) Out over the dummy load



Patch panel with U-links with integrated power splitter

Cuadro de conmutación con divisor de potencia integrado

	wide / altura	length/frente	deep/profundo
4 1/2"	160	82	82
6 1/8"	160	100	100



DAB PANEL ANTENNA HIGH GAIN

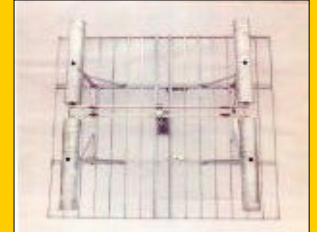
MY - 1140

Technical Specification

Frequency	174 - 230 MHz
Polarization	Horizontal Vertical
H Beamwidth	70° 60°
V Beamwidth	60° 70°
Gain	10 dBi
VSWR	< 1.15 : 1 Broadband
Impedance	50 Ω
Power Handling	2 Kw / 5 Kw
Connectors	DIN 7/16 / DIN 13/30
Lightning Protection	DC Grounded
Front to back ratio	> 18 dB

DAB 2 Dipoles panel antenna. Wideband & multichannel capability. High reliability & long operative life.

Length	574 mm
Width	1240 mm
Height	1240 mm
Weight	25 Kg
Mounting	To suit pole 42 - 48 mm
Wind Load	Front 65 Kg, Side 28 Kg @ 200 Km/h
Materials	hot dip galvanized reflector and dipoles plated connectors. passive brass in feeding lines
Ice protection Radome	Optional
Temperature	-40°C to +70°C



MY - 1170

Technical Specification

Frequency	174 - 230 MHz
Polarization	Horizontal Vertical
H Beamwidth	70° 60°
V Beamwidth	30° 26°
Gain	13,5 dBi
VSWR	< 1.1 : 1 Broadband
Impedance	50 Ω
Power Handling	2 Kw / 5 Kw
Connectors	DIN 7/16 / DIN 13/30
Lightning Protection	DC Grounded
Front to back ratio	> 18 dB

DAB 4 dipoles panel antenna. Wideband & multichannel capability. High reliability & long operative life.

Length	515 mm
Width	1240 mm
Height	2840 mm
Weight	83 Kg
Mounting	To suit pole 75,5 mm Ø (2 1/2")
Wind Load	Front 120 Kg, Side 45 Kg @ 200 Km/h
Materials	hot dip galvanized reflector and dipoles plated connectors. passive brass in feeding lines
Ice protection Radome	Optional
Temperature	-40°C to +70°C



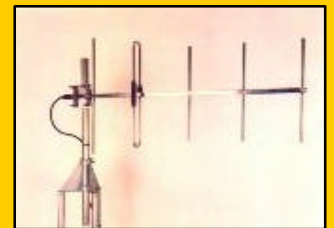
MY- 1160

Technical Specification

Frequency	195 - 223 MHz
Polarization	Horizontal and Vertical
VSWR	< 1.3:1 fo +/-2% < 1.5:1 fo +/-10%
Impedance	50 Ω
Power Handling	100 w
Connectors	N (F)
Lightning Protection	DC Grounded
Front to Back Ratio	16 to 20 dB

Yagi DAB. Several Gains. Light and strong design

Weight	2 to 10 Kg
Mounting	To suit pole 50 to 60 mm Ø
Wind Speed	200 Km/h
Materials	Stainless steel and teflon
Temperature	-40°C to +70°C



MY-1160				
	Gain (dBi)	Beamwidth E (°)	Beamwidth H (°)	Length (mm)
MY-1160-011	5	75	170	395
MY-1160-111	7	65	105	654
MY-1160-211	8.5	60	80	1084
MY-1160-311	10	52	63	1422
MY-1160-411	11.5	45	56	1760
MY-1160-511	12	38	50	2098
MY-1160-711	13	31	45	2774

POWER SPLITTERS

MY-S3 DAB

Technical Specification

Frequency	174 - 230 MHz
VSWR	< 1.05 : 1 Broadband
Impedance	50 Ω
Insertion loss	< 0,18 dB
Power	From 0.6 to 20 Kw
Input Connector	EIA / DIN
Output Connector	EIA / DIN
Distribution	Symmetrical phase & amplitude

Vertical Output for easier instalation.

Number of outputs	2 to 8
Materials	Electrolytic copper, plated and passived brass, teflon insulators
	Leak proof by silicone tore joints.
	Copper-beryllium connectors termical processed and silver plated
Typical Length	850 mm



MY-S3	Input connector code		Output connector code		Way number								Power (Kw)
	type	code	type	code	2	3	4	5	6	8	10	12	min/max
MY-S322x DAB	DIN 7/16 (F)	2	DIN 7/16	2	x	x							2
MY-S332x DAB	EIA 7/8"	3	DIN 7/16	2	x	x	x						3
MY-S352x DAB	EIA 1 5/8"	5	DIN 7/16	2	x	x	x						4 / 6
MY-S353x DAB		5	EIA 7/8"	3	x		x						6
MY-S355x DAB		5	EIA 1 5/8"	5	x	x							6
MY-S372x DAB	EIA 3 1/8"	7	DIN 7/16	2						x			16
MY-S373x DAB		7	EIA 7/8"	3						x			24
MY-S375x DAB		7	EIA 1 5/8"	5	x	x	x						12 / 18
MY-S377x DAB		7	EIA 3 1/8"	7	x								20

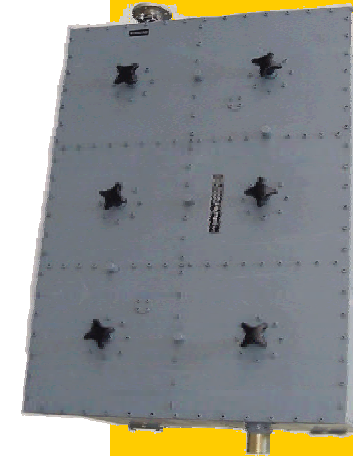
CAVITY FILTERS

MY-FA

Technical Specification

Frequency	174 -230 MHz
VSWR	<1.15 : 1 (in one block)
Impedance	50 Ω
Group delay	< 500 ns
Maximum Power	1.5 Kw
Critical mask:	Six cavities+one feedback

Materials	Electrolytic copper, silver-plated and passived brass, teflon isolators, copper-beryllium connectors
	termical processed
	Cavities in brass



MY-FA	Power code		Input connector	Insertion Loss fo	Atenuation (dB)			Dimensions (mm)			Weight (Kg)
	Power	code			fo +/- 0.77MHz	fo +/-0.97 MHz	fo +/- 1.75 MHz	Length	Heigth	Width	
					≤ 1.8 dB	≥ 11 dB	≥ 44 dB				
MY-FA00	1 Kw	00	EIA 1 5/8"	≤ 1 dB	≤ 1.8 dB	≥ 11 dB	≥ 44 dB	623	541	426	85
MY-FA01	1.5 Kw	01	EIA 1 5/8"	≤ 0.9 dB	≤ 1.5 dB	≥ 11 dB	≥ 44 dB	923	541	626	102



HIGH GAIN PANEL

Panel 2 dipoles. High Power. Excellent directional radiant pattern. Detachable

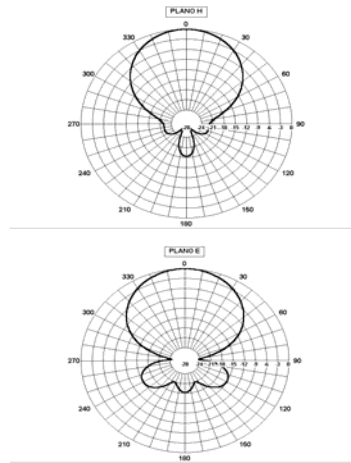
MY - BI-D

Technical Specification	
Frequency	47-68 MHz (CCIR) / 54-88 MHz (FCC)
Polarization	H
H Beamwidth	72°
V Beamwidth	56°
Gain	9.2 dBi
VSWR	< 1.1 : 1 (Factory tuned for 1 Channels)
	< 1.3 : 1 (Factory tuned for 3 Channels)
Power Handling & Connectors	EIA 1 5/8" 12 Kw
Impedance	50 Ω
Lightning Protection	DC Grounded

	FCC CH'S		
	2-3-4	3-4-5	4-5-6
Length (mm)	2840	2540	2340
Width (mm)	3760	3400	3100
Height (mm)	1400	1300	1200
Weight (Kg)	140	130	110
Wind Load (Kg)	80		
Wind Speed (Km/h)	200		
Mounting	To suit pole 114 mm Ø (4")		
Materials	Hot dip galvanized dipoles and reflector grid. Feeding lines in copper, Teflon isolators		



Y-BI Panel Detachable					
BAYS	FACES	GAIN (dBd)	LENGTH (Mts)		
			FCC CH'S		
			2-3-4	3-4-5	4-5-6
1	2	3.7	4	3.6	3.2
	3	2			
	4	-0.4			
2	1	9.7	9.3	9	8
	2	6.7			
	3	5			
4	1	12.7	20	18	16
	2	9.7			
	3	8			
6	1	14.5	30.5	28	24
	2	11.5			
	3	9.8			
8	1	15.7	41	37	33
	2	12.7			
	3	11			
	4	8.6			



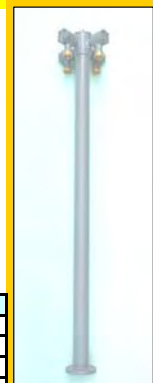
POWER SPLITTERS

MY-S1

Vertical Output for easier installation.

Technical Specification	
Frequency	47 - 88 MHz
VSWR	< 1.05 : 1 Broadband
Impedance	50 Ω
Insertion loss	< 0.18 dB
Power	From 0.6 to 70 Kw
Input Connector	N / EIA / DIN
Output Connector	N / EIA / DIN
Distribution	Symmetrical phase & amplitude

Number of outputs	2 to 12
Materials	Electrolytic copper, plated and passived brass, teflon insulators
	Leak proof by silicone torse joints.
	Copper-beryllium connectors
	termical processed and silver plated
Typical Length	3000 mm



MY-S1	Input connector code		Output connector code		Way number								Power (Kw) min/max	
	type	code	type	code	2	3	4	5	6	8	10	12		
MY-S122x	DIN 7/16 (F)	2	DIN 7/16	2	x	x	x	x	x					4
MY-S132x	EIA 7/8"	3	DIN 7/16	2	X	X	x	x	x					5
MY-S112x	DIN 13/30 (F)	4	DIN 7/16	2	x	x	x			x	x			4 / 10
MY-S144x		4	DIN 13/30	4	x									10
MY-S152x	EIA 1 5/8"	5	DIN 7/16	2	x	x	x	x	x	x	x	x		4 / 15
MY-S153x		5	EIA 7/8"	3	x									10 / 15
MY-S154x		5	DIN 13/30	4	x	x	x	x						15
MY-S155x		5	EIA 1 5/8"	5	x	x								15
MY-S172x		EIA 3 1/8"	7	DIN 7/16	2					x	x	x	x	
MY-S173x	7		EIA 7/8"	3						x	x			30
MY-S174x	7		DIN 13/30	4				x	x		x			30 / 40
MY-S175x	7		EIA 1 5/8"	5	x	x	x							30 / 50
MY-S177x	7		EIA 3 1/8"	7	x									50
MY-S184x	EIA 4 1/2"	8	DIN 13/30	4							x	x	x	70
MY-S185x		8	EIA 1 5/8"	5			x	x						45 / 60
MY-S187x		8	EIA 3 1/8"	7	x									70

STARPOINT COMBINERS

MY-CSA

Technical Specification

Frequency	174 -230 MHz
VSWR	<1.15 : 1 (in one block)
Impedance	50 Ω
Isolation between inputs:	70 dB typical
Group Delay	< 700 ns
Number of inputs	2 to 4
Minimum freq. Spacing:	one block

Materials	Electrolytic copper, silver-plated and passived brass, teflon isolators, copper-beryllium connectors termical processed Cavities in brass.
Connectors	EIA 1 5/8"

MY-CSA	Power code		N° inputs	Insertion Loss	Atenuation (dB)			Dimension s (mm)			Weight (Kg)
	Input	code			code	fo +/- 0.77MHz	fo +/-0.97 MHz	fo +/- 1.75 MHz	Length	Heigth	
MY-CSA012	1 Kw	01	2	≤ 1 dB	≤ 1.8 dB	≥ 11 dB	≥ 44 dB	650	1100	500	175
MY-CSA022	1.5 Kw	02	2	≤ 0.9dB	≤ 1.5 dB	≥ 11 dB	≥ 44 dB	950	1100	650	215

DIRECTIONAL COMBINERS

MY-CDA

Technical Specification

Frequency	174 -230 MHz
VSWR	<1.15 : 1 (in one block)
Impedance	50 Ω
Isolation between inputs (with Filter in wide band input)	≥ 70 dB
Group Delay	< 700 ns
Number of inputs	2 to 5
Atenuation to Balanced Load	≥ 20 dB
Minimum freq. Spacing:	one block

Materials	Connectors in passived and silvering brass Pistons are available in silver-plated copper and stainless steel rods. Copper-Beryllium thermic treated, silverplated and passived. Cavities in brass.
Inputs connectors	EIA 1 5/8"
Output Connector	Up to 6 Kw EIA 1 5/8" Up to 24 Kw EIA 3 1/8"

MY-CDA	Power code		N° inputs	Insertion Loss in Narrow Band	Atenuation (dB)			Dimension s (mm)			Weight (Kg)
	Input Power	code			code	fo +/- 0.77MHz	fo +/-0.97 MHz	fo +/- 1.75 MHz	Length	Heigth	
MY-CDA002	1 Kw	00	2	≤ 1 dB	≤ 1.8 dB	≥ 11 dB	≥ 44 dB	900	1400	600	190
MY-CDA012	1.5 Kw	01	2	≤ 0.9dB	≤ 1.5 dB	≥ 11 dB	≥ 44 dB	1200	1400	750	230

Other Input/Output connector upon request

Other Powers or adjacent blocks, contact factory





Horizontal Polarization HIGH GAIN PANEL

MY - BIII42DD

Technical Specification

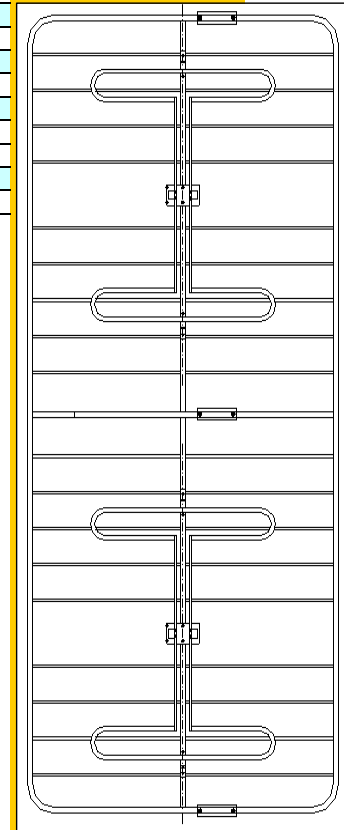
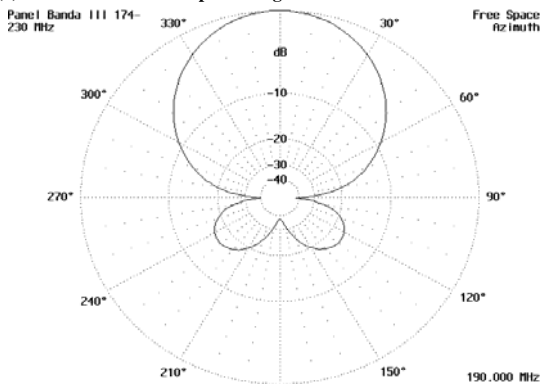
Frequency	174 - 230 MHz
Polarization	Horizontal
H Beamwidth	65°
V Beamwidth	30°
Gain	12.5 dBi
VSWR	< 1.15 : 1 Broadband
Impedance	50 Ω
Power Handling & Conectors	2 K ω
Lateral lobe level	> 10 dB
Lightning Protection	DC Grounded

Length	2660 mm
Width	1200 mm
Height	400 mm
Weight	15 Kg
Mounting	To suit pole 42-76 mm \varnothing
Wind Load	880/400N Front @ 160 Km/h
Materials	Weatherproof aluminum & teflón
Packing	1410x1265x110 mm
Wind Survival	200 Km/h

No. of Bays	Paneles per bay	Gain dBd Times ($\lambda/2$ reference) (1)		Weight Kg (With mounting hardware)	Antenna Height Mts (2)	Windload kN (@ 160 Km/h)
1	2	7.5	5.6	94	2.66	2.2
	3	5.73	3.7	141		3.4
	4	4.5	2.8	188		4
2	2	10.5	11.2	188	5.6	4.4
	3	8.8	7.5	282		6.8
	4	7.5	5.6	376		8
3	2	12.3	16.8	282	8.5	6.6
	3	10.5	11.2	423		10.2
	4	9.3	8.5	564		12
4	2	11.5	22.5	376	11.4	8.8
	3	11.8	15	564		13.6
	4	10.5	11.2	752		16
5	2	14.5	28	470	14.4	11
	3	12.8	18.7	705		17
	4	11.5	14	940		20
6	2	15.3	33.6	564	17.3	13.2
	3	13.5	22.5	846		20.4
	4	12.3	16.8	1128		24

(1) At mid band

(2) Distance between two panels edges as 260 mm



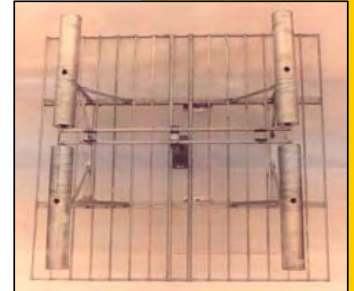
DIRECTIONAL PANEL HIGH GAIN

MY-BIII2D-G

Technical Specification

Frequency	174 - 230 MHz	
Polarization	Horizontal	Vertical
H Beamwidth	70°	60°
V Beamwidth	60°	70°
Gain	10 dBi	
VSWR	< 1.15 : 1 Broadband	
Impedance	50 Ω	
Power Handling	2 Kw / 5 Kw	
Connectors	DIN 7/16 / DIN 13/30	
Lightning Protection	DC Grounded	
Front to back ratio	> 18 dB	

Height	1240	mm
Width	1240	mm
Deep	574	mm
Weight	25	Kg
Mounting	To suit pole 42 - 48 mm ∅	
Wind Load	Front 65 Kg, Side 28 Kg @ 200 Km/h	
Materials	hot dip galvanized reflector and dipoles plated connectors. passive brass in feeding lines	
Ice protection Radome	Optional	
Temperature	-40°C to +70°C	



MY - 4D BIII PANEL

Technical Specification

Frequency	174 - 230 MHz	
Polarization	Vertical	
H Beamwidth	60°	
V Beamwidth	26°	
Gain	13,5 dBi	
VSWR	< 1.1 : 1 Broadband	
Impedance	50 Ω	
Power Handling	2 Kw / 5 Kw	
Connectors	DIN 7/16 / DIN 13/30	
Lightning Protection	DC Grounded	
Front to back ratio	> 18 dB	

Height	2840	mm
Width	1240	mm
Deep	515	mm
Weight	83	Kg
Mounting	To suit pole 75,5 mm ∅ (2 1/2")	
Wind Load	Front 120 Kg, Side 45 Kg @ 200 Km/h	
Materials	hot dip galvanized reflector and dipoles plated connectors. passive brass in feeding lines	
Ice protection Radome	Optional	
Temperature	-40°C to +70°C	



MY-4D BIII Panel						
BAYS	FACES	GAIN (dBd)	WEIGHT (Kgs)	LENGHT (Mts)	POWER (Kw)	
					DIN 7/16	DIN 13/30
1	2	8.2	166	2.9	4	10
	3	6.7	249		6	15
	4	5.8	332		8	20
2	1	13.8	166	5.8	4	10
	2	11.2	332		8	20
	3	9.7	498		12	30
4	4	8.8	664	11.6	16	40
	1	16.8	332		8	20
	2	14.2	664		16	40
6	3	12.5	996	17.4	24	60
	4	11.7	1328		32	80
	1	18.5	498		12	30
8	2	15.8	996	23.2	24	60
	3	14.3	1494		36	90
	4	13.4	1992		48	120
8	1	19.8	664	23.2	16	40
	2	17.2	1328		32	80
	3	15.7	1992		48	120
	4	14.8	2656		64	160

DIRECTIONAL PANEL

HIGH GAIN

MY-BIII2DD

Technical Specification

Frequency	174 - 230 MHz	
Polarization	Horizontal	Vertical
H Beamwidth	65°	61°
V Beamwidth	61°	65°
Gain	9.6 dBi	
VSWR	< 1.15 : 1 Broadband	
Impedance	50 Ω	
Conector	DIN 7/16	
Maximum Power	1 Kw	
Lightning Protection	DC Grounded	
Front to Back Ratio	> 18 dB	

MY- BIII Yagi

Technical Specification

Frequency	174 - 230 MHz	
Polarization	Horizontal and Vertical	
VSWR	< 1.3:1 fo +/-2%	
	< 1.5:1 fo +/-10%	
Impedance	50 Ω	
Power Handling	100 w	
Connectors	N (F)	
Lightning Protection	DC Grounded	
Front to Back Ratio	16 to 20 dB	

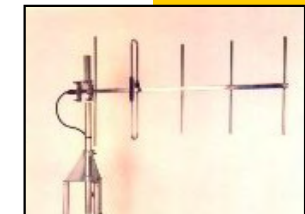
Demountable panel. Ideal for stacking for any radiation pattern.

Length	450	mm
Width	1200	mm
Depth	1200	mm
Weight	7	Kg
Mounting	To suit pole 42 - 114 mm Ø	
Wind Load	Front 33 Kg, Side 12 Kg @ 160 Km/h	
Wind Velocity	200 Km/h	
Materials	Aluminium	
Temperature	-40°C to +70°C	



Yagi BIII. Several Gains. Light and strong design

Weight	2 to 10 Kg	
Mounting	To suit pole 50 to 60 mm Ø	
Wind Speed	200 Km/h	
Materials	Stainless steel and teflon	
Temperature	-40°C to +70°C	



MY-1160				
	Gain (dBi)	Beamwidth E (°)	Beamwidth H (°)	Lenght (mm)
MY-1160-011	5	75	170	395
MY-1160-111	7	65	105	654
MY-1160-211	8.5	60	80	1084
MY-1160-311	10	52	63	1422
MY-1160-411	11.5	45	56	1760
MY-1160-511	12	38	50	2098
MY-1160-711	13	31	45	2774

POWER SPLITTERS

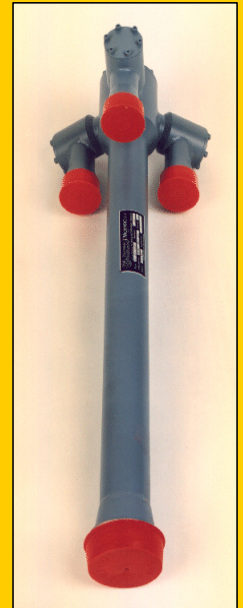
MY-S3

Technical Specification

Frequency	174 - 230 MHz
VSWR	<1.05 : 1 Broadband
Impedance	50 Ω
Insertion loss	< 0,18 dB
Power	From 0.6 to 100 Kw
Input Connector	N / EIA / DIN
Output Connector	N / EIA / DIN
Distribution	Symmetrical phase & amplitude

Number of outputs	2 to 12
Materials	Electrolytic copper, plated and passived brass, teflon insulators
	Leak proof by silicone tore joints.
	Copper-beryllium connectors
	termical processed and silver plated
Typical Length	850 mm

*Vertical Output for easier instalation.
Other Input/Output connector upon request
Other powers, contact factory*



MY-S3	Input connector code		Output connector code		Way number							Power (Kw)		
	type	code	type	code	2	3	4	5	6	8	10	12	min	max
MY-S311x	N(F)	1	N(F)	1	x	x	x							0.6
MY-S322x	DIN 7/16 (F)	2	DIN 7/16	2	x	x	x			x				2
MY-S332x	EIA 7/8"	3	DIN 7/16	2			x	x	x					3
MY-S342x	DIN 13/30 (F)	4	DIN 7/16	2	x	x	x			x	x			4 / 5
MY-S344x		4	DIN 13/30	4	x									5
MY-S352x	EIA 1 5/8"	5	DIN 7/16	2	x	x	x	x	x	x	x	x		4 / 6
MY-S353x		5	EIA 7/8"	3	x		x							6
MY-S354x		5	DIN 13/30	4	x	x	x	x						6
MY-S355x		5	EIA 1 5/8"	5	x	x								6
MY-S372x	EIA 3 1/8"	7	DIN 7/16	2					x	x	x	x		12 / 25
MY-S373x		7	EIA 7/8"	3							x			24
MY-S374x		7	DIN 13/30	4			x	x	x	x	x			20 / 24
MY-S375x		7	EIA 1 5/8"	5	x	x	x	x	x					12 / 25
MY-S377x		7	EIA 3 1/8"	7	x									25
MY-S384x	EIA 4 1/2"	8	DIN 13/30	4							x			40 / 60
MY-S385x		8	EIA 1 5/8"	5			x							24 / 48
MY-S387x		8	EIA 3 1/8"	7	x									50 / 60
MY-S307x	EIA 6 1/8"	0	EIA 3 1/8"	7	x									100

CAVITY FILTERS

MY-F3

Technical Specification

Frequency	174 -230 MHz
VSWR	<1.1 : 1 in one TV-Channel (FCC or CCIR)
Impedance	50 Ω
Configuration	4 cavities
Maximum Power	10 Kw

Materials	Electrolytic copper, silver-plated and passived brass, teflon isolators, copper-beryllium connectors
	termical processed
	Cavities in brass
	Pistons in silver-plated brass and invar rods.

MY-F3	Power code		Input connector	Output connector	Insertion Loss (dB)	Dimensions (mm)			Weight (Kg)
	Power	code				Length	Height	Width	
MY-F3004	500 W	00	N(F)	N(F)	≤ 0.4 dB	350	250	50	3.5
MY-F3014	1 Kw	01	DIN 7/16	DIN 7/16	≤ 0.4 dB	600	600	120	30
MY-F3054	5 Kw	05	EIA 1 5/8"	EIA 1 5/8"	≤ 0.3 dB	800	620	200	70
MY-F3104	10 Kw	10	EIA 3 1/8"	EIA 3 1/8"	≤ 0.2 dB	1000	620	300	100

STARPOINT COMBINERS

MY-CS3

Technical Specification

Frequency	174 -230 MHz
VSWR	<1.1 : 1 in one TV-Channel (FCC or CCIR)
Impedance	50 Ω
Configuration	4 cavities
Isolation between inputs	≥ 40 dB
Number of inputs	2 to 3

Materials	Electrolytic copper, silver-plated and passived brass, teflon isolators, copper-beryllium connectors
	termical processed
	Cavities in brass
	Pistons in silver-plated brass and invar rods.
Output Connector	Up to 2 Kw DIN 7/16
	Up to 10 Kw EIA 1 5/8"
	Up to 30 Kw EIA 3 1/8"

MY-CS3	Power code		Channel spacing minimum	Input connector	Insertion Loss
	Input Power	code			
MY-CS300x	500 W	00	4 Channels	DIN 7/16	≤ 0.5 dB
MY-CS301x	1 Kw	01	4 Channels	EIA 1 5/8"	≤ 0.4 dB
MY-CS305x	5 Kw	05	4 Channels	EIA 1 5/8"	≤ 0.3 dB
MY-CS310x	10 Kw	10	4 Channels	EIA 3 1/8"	≤ 0.2 dB

DIRECTIONAL COMBINERS

MY-CD3

Technical Specification

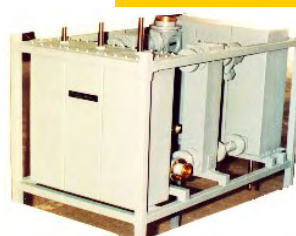
Frequency	174 - 230 MHz
VSWR	<1.1 : 1 in one TV-Channel (FCC or CCIR)
Impedance	50 Ω
Isolation between inputs (with Wide Band Filter)	≥ 40 dB
Atenuation to Balanced Load	≥ 20 dB
Number of inputs	2 to 4

Materials	Electrolytic copper, silver-plated and passived brass, teflon isolators, copper-beryllium connectors
	termical processed
	Cavities in brass
	Pistons in silver-plated brass and invar rods.
Output Connector	Up to 2 Kw DIN 7/16
	Up to 10 Kw EIA 1 5/8"
	Up to 30 Kw EIA 3 1/8"

MY-CS3	Power code		Channel spacing minimum	Input connector	Insertion Loss in Narrow Band	Insertion Loss in Wide Band (without filter)
	Input Power	code				
MY-CD300x	500 W	00	2 Channels	DIN 7/16	≤ 0.5 dB	≤ 0.1 dB
MY-CD301x	1 Kw	01	2 Channels	EIA 1 5/8"	≤ 0.4 dB	≤ 0.1 dB
MY-CD305x	5 Kw	05	2 Channels	EIA 1 5/8"	≤ 0.3 dB	≤ 0.1 dB
MY-CD310x	10 Kw	10	2 Channels	EIA 3 1/8"	≤ 0.2 dB	≤ 0.1 dB

Other Input/Output connector upon request

Other Powers, contact factory



DIRECTIONAL PANEL

HIGH GAIN

MY-PDP500

Technical Specification

Frequency	470 - 862 MHz	
Polarization	Horizontal	
H Beamwidth	60°	
V Beamwidth	24°	
Gain	13,5 dBi	
VSWR	< 1.3 : 1 Broadband	
Impedance	50 Ω	
Power Handling & Connectors		
	N (F)	100 w
	DIN 7/16 (F)	500 w
Crosspolar discrimination	>32 dB	
Lightning Protection	DC Grounded	
Front to Back Ratio	> 22 dB	

Panel 4 Printed Dipoles. Ideal for stacking for any radiation pattern. 5 Channels in Vertical.

Length	1000	mm
Width	500	mm
Height	220	mm
Weight	15	Kg
Mounting	To suit pole 48 mm Ø	
Wind Load	55 Kg Front @ 160 Km/h	
Wind Speed	200 Km/h	
Materials	Dipoles in printed circuit. Feeder lines in passived brass and silvery	
Temperature	-40°C to +70°C	
Radome	PRFV in Red	



MY-PDL1000 / PDL2500

Technical Specification

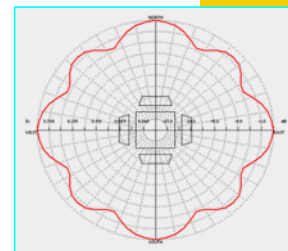
Frequency	470 - 862 MHz	
Polarization	Lineal (Hor. or Vert.)	
H Beamwidth	60°	(-3 dB)
V Beamwidth	24°	(-3 dB)
Gain	13,5 dBi	
VSWR	< 1.15 : 1 Broadband	
Impedance	50 Ω	
Power Handling & Connectors		
	DIN 7/16 (F)	1Kw
	DIN 13/30 8F)	2,5 Kw
Crosspolar discrimination	>32 dB	
Lightning Protection	DC Grounded	
Front to Back Ratio	> 22 dB	

High Power:2,5 Kw per panel. Ideal for stacking for any radiation pattern. 7 Channels in Vertical.

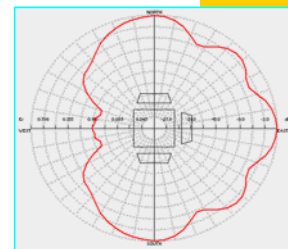
Length	1000	mm
Width	500	mm
Height	220	mm
Weight	22	Kg
Mounting	To suit pole 48 mm Ø	
Wind Load	55 Kg Front @ 160 Km/h	
Wind Speed	200 Km/h	
Materials	Dipoles in brass. Feeder lines in passived brass and silvery	
Temperature	-40°C to +70°C	
Radome	PRFV in Red	



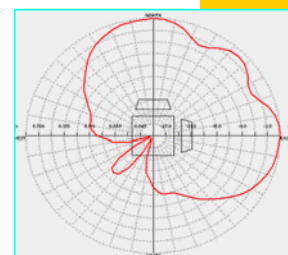
BAYS	FACES	GAIN (dBd) @ 650MHz	PATTERN	HEIGHT m
4	4	11.2	OMNI	4
	3	12.5	WIDE CARDIOD	4
	2	13.9	EIGHT	4
	2	14.3	NARROW	4
	1	16.9	VERY NARROW	4
6	4	12.9	OMNI	6
	3	14.2	WIDE CARDIOD	6
	2	15.4	EIGHT	6
	2	16	NARROW	6
	1	19.1	VERY NARROW	6
8	4	14.1	OMNI	8
	3	15.4	WIDE CARDIOD	8
	2	16.5	EIGHT	8
	2	17.2	NARROW	8
	1	20.3	VERY NARROW	8
10	4	15.1	OMNI	10
	3	16.4	WIDE CARDIOD	10
	2	17.5	EIGHT	10
	2	18.2	NARROW	10
	1	21.2	VERY NARROW	10
12	4	15.9	OMNI	12
	3	17.2	WIDE CARDIOD	12
	2	18.3	EIGHT	12
	2	19	NARROW	12
	1	22	VERY NARROW	12



OMNI



W. CARDIOD



NARROW

Attenuation of connecting cables not taken into account
Gains calculated @ 650MHz and may vary across the UHF band

YAGI - UHF

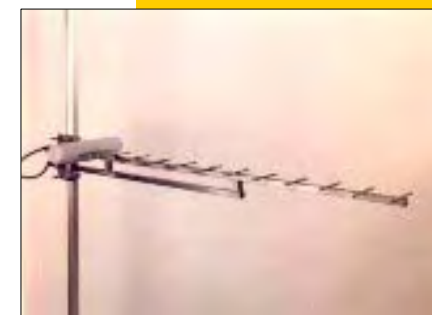
MY- YINX-UHF

Technical Specification

Frequency	470 - 862 MHz
Polarization	Lineal (Vert. or Hor.)
H Beamwidth	34°
V Beamwidth	37°
Gain	14 +/- 0,5 dBi
VSWR	< 1.5 : 1 (in sub-bands 56 MHz)
Impedance	50 Ω (or 75 Ω upon request)
Power Handling	100 w
Connectors	N (F)
Lightning Protection	DC Grounded
Front to Back Ratio	>20dB

Yagi UHF. Several Gains. Light and strong design.

Weight	10	Kg
Mounting	To suit pole 50 to 60 mmØ	
Wind Speed	200 Km/h	
Materials	Stainless steel and teflon	
	Radome polyester reinforced with	
	fibre glass	
Temperature	-40°C to +70°C	



MY-YINX-UHF			
Type	Channels	Frequency (MHz)	Lenght (mm)
MY-YINX-13.1.1A	21-27	470 - 526	2344
MY-YINX-13.1.1B	28-34	526 - 582	2124
MY-YINX-13.1.1C	35-41	582 - 638	1947
MY-YINX-13.1.1D	42-48	638 - 694	1803
MY-YINX-13.1.1E	49-55	694 - 750	1674
MY-YINX-13.1.1F	56-62	750 - 806	1566
MY-YINX-13.1.1G	63-69	806 - 862	1500

POWER SPLITTERS

MY-S4

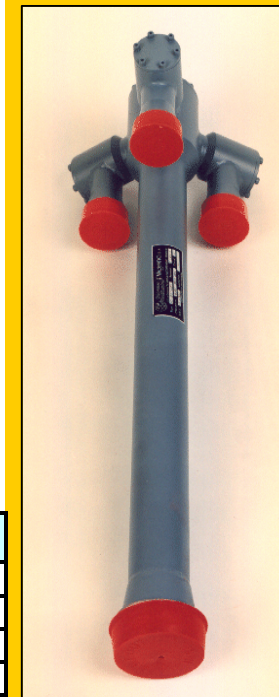
Technical Specification

Frequency	470 - 862 MHz
VSWR	< 1.05 : 1 Broadband
Impedance	50 Ω
Insertion loss	< 0,18 dB
Power	From 0.1 to 60 Kw
Input Connector	N / EIA / DIN
Output Connector	N / EIA / DIN
Distribution	Symmetrical phase & amplitude

Vertical Output for easier instalation.

Number of outputs	2 to 8
Materials	Electrolytic copper, plated and passived brass, teflon insulators
	Leak proof by silicone tore joints.
	Copper-beryllium connectors
	termical processed and silver plated
Typical Length	850 mm

MY-S4	Input connector code		Output connector code		Way number								Power (Kw)
	type	code	type	code	2	3	4	5	6	8	10	12	min/max
MY-S411x	N(F)	1	N(F)	1	x	x	x						0.1
MY-S422x	DIN 7/16 (F)	2	DIN 7/16	2	x	x	x		x				1
MY-S432x	EIA 7/8"	3	DIN 7/16	2			x	x	x				2
MY-S442x	DIN 13/30 (F)	4	DIN 7/16	2	x	x	x		x				2 / 3
MY-S444x		4	DIN 13/30	4	x								3
MY-S452x	EIA 1 5/8"	5	DIN 7/16	2	x	x	x	x	x				2 / 5
MY-S453x		5	EIA 7/8"	3	x		x						2 / 4
MY-S454x		5	DIN 13/30	4	x	x	x	x					2 / 5
MY-S455x		5	EIA 1 5/8"	5	x	x							5
MY-S473x	EIA 3 1/8"	7	EIA 7/8"	3						x			16
MY-S474x		7	DIN 13/30	4			x	x	x	x			12 / 18
MY-S475x		7	EIA 1 5/8"	5	x	x	x	x	x				10 / 18
MY-S477x		7	EIA 3 1/8"	7	x								12 / 18
MY-S484x	EIA 4 1/2"	8	DIN 13/30	4						x			24
MY-S485x		8	EIA 1 5/8"	5			x		x				20 / 30
MY-S487x		8	EIA 3 1/8"	7	x								30
MY-S407x	EIA 6 1/8"	0	EIA 4 1/2"	7	x								60



CAVITY FILTERS

MY-F4

Technical Specification

Frequency	470 - 862 MHz
VSWR	<1.1 : 1 in one TV-Channel (FCC or CCIR)
Impedance	50 Ω
Configuration	3 cavities
Maximum Power	10 Kw

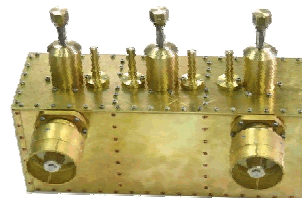
Materials	Silver-plated and passived brass, copper-beryllium connectors termical processed and teflon isolators Pistons in silver-plated brass and invar rods. Cavities in brass
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MY-F4	Power code		Input connector	Output Connector	Insertion Loss (dB)	Frequency Spacing (MHz)		Dimensions (mm)			Weight (Kg)
	Power	code				Atenuation ≥ 20 dB	Atenuation ≥ 35 dB	Length	Heigth	Width	
MY-F4003	500 W	00	DIN 7/16	DIN 7/16	≤ 1 dB	+/- 20 MHz	+/- 30 MHz	175	120	40	1.5
MY-F4023	2 Kw	02	EIA 1 5/8"	EIA 1 5/8"	≤ 0.4 dB	+/- 20 MHz	+/- 35 MHz	344	430	118	11.5
MY-F4053	5 Kw	05	EIA 1 5/8"	EIA 1 5/8"	≤ 0.3 dB	+/- 20 MHz	+/- 35 MHz	491	400	167	18
MY-F4103	10 Kw	10	EIA 3 1/8"	EIA 3 1/8"	≤ 0.2 dB	+/- 20 MHz	+/- 35 MHz	578	440	196	23.5

Vertical Output for easier instalation.

Other Input/Output connector uppon request

Other powers, contact factory



STARPOINT COMBINERS

MY-CS4

Technical Specification

Frequency	470 - 862 MHz
VSWR	< 1.1 : 1 (in the input for one Channel)
Impedance	50 Ω
Isolation between inputs	≥ 40 dB
Number of inputs	2 to 4

Materials	Connectors in passived and silvering brass	
	Pistons in silver-plated brass and invar rods.	
	Copper-Beryllium thermic treated, silver-plated and passived. Cavities in brass.	
	Output Connector	
	Up to 1 Kw	DIN 7/16
	Up to 6 Kw	EIA 1 5/8"
	Up to 16 Kw	EIA 3 1/8"
	Up to 28 Kw	EIA 4 1/2"

MY-CS4	Power code		Channel spacing minimum	Input connector	Insertion Loss
	Input Power	code			
MY-CS400x	200 W	00	4 Guard	DIN 7/16	≤ 1 dB
MY-CS402x	2 Kw	02	4 Guard	EIA 1 5/8"	≤ 0.4 dB
MY-CS405x	5 Kw	05	4 Guard	EIA 1 5/8"	≤ 0.3 dB
MY-CS410x	10 Kw	10	4 Guard	EIA 3 1/8"	≤ 0.2 dB

DIRECTIONAL COMBINERS

MY-CD4

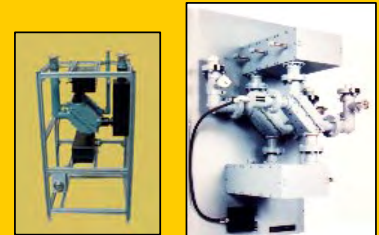
Technical Specification

Frequency	470 - 862 MHz
VSWR	< 1.1 : 1 (in the input for one Channel)
Impedance	50 Ω
Isolation between inputs (with filter in wide band input)	≥ 40 dB
Number of inputs	2 to 5
Atenuation to Balanced Load	≥ 20 dB

Materials	Connectors in passived and silvering brass	
	Pistons in silver-plated brass and invar rods.	
	Copper-Beryllium thermic treated, silver-plated and passived. Cavities in brass.	
	Output Connector	
	Up to 1 Kw	DIN 7/16
	Up to 5 Kw	EIA 1 5/8"
	Up to 16 Kw	EIA 3 1/8"
	Up to 28 Kw	EIA 4 1/2"

MY-CD4	Power code		Channel spacing minimum	Input connector	Insertion Loss in Narrow band	Insertion Loss in Wide Band (without filter)
	Input Power	code				
MY-CD400x	200 W	00	2 Guard	DIN 7/16	≤ 1 dB	≤ 0.1 dB
MY-CD402x	2 Kw	02	2 Guard	EIA 1 5/8"	≤ 0.4 dB	≤ 0.1 dB
MY-CD405x	5 Kw	05	2 Guard	EIA 1 5/8"	≤ 0.3 dB	≤ 0.1 dB
MY-CD410x	10 Kw	10	2 Guard	EIA 3 1/8"	≤ 0.2 dB	≤ 0.1 dB
MY-CD420x	20 Kw	20	2 Guard	EIA 4 1/2"	≤ 0.2 dB	≤ 0.1 dB

*Other Input/Output connector upon request
Other Powers, contact factory*



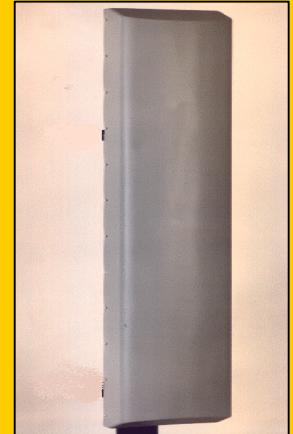
DIRECTIONAL PANEL HIGH GAIN

MY - DVB PANEL

Channels between 57-69. Ideal for stacking for any radiation pattern.

Technical Specification

Frequency	758 - 862 MHz	Length	140	mm
Polarization	Horizontal	Width	350	mm
H Beamwidth	60°	Height	700	mm
V Beamwidth	30°	Weight	11	Kg
Gain	13 dBi	Mounting	To suit pole 42-48 mm Ø	
VSWR	< 1.15 : 1 Broadband	Wind Load	Front 33 Kg, Side 12 Kg @ 200 Km/h	
Impedance	50 Ω	Materials	Hot dip steel reflector, fibre glass, plated connectors. Plated and passived brass in dipoles and feeder lines	
Power Handling & Conectors		Temperature	-40°C to +60°C	
	DIN 7/16 (F) 1Kw	Radome	PRFV in grey	
	DIN 13/30 (F) 2,5 Kw			
Front to Back Ratio	> 20 dB			
Lightning Protection	DC Grounded			



MY-DVB PANEL						
BAYS	FACES	GAIN (dBd)	WEIGHT (Kgs)	LENGHT (Mts)	POWER (Kw)	
					DIN 7/16	DIN 13/30
1	2	7.8	10	0.7	2	5
	3	6.1	15		3	7.5
	4	4.8	20		4	10
2	1	13.8	10	1.45	2	5
	2	10.8	20		4	10
	3	9.1	30		6	15
	4	7.8	40		8	20
4	1	16.8	20	2.95	4	10
	2	13.8	40		8	20
	3	12.1	60		12	30
	4	10.8	80		16	40
6	1	18.6	30	4.45	6	15
	2	15.6	60		12	30
	3	13.8	90		18	45
	4	12.5	120		24	60
8	1	19.8	40	5.95	8	20
	2	16.8	80		16	40
	3	15.1	120		24	60
	4	13.8	160		32	80

POWER SPLITTERS

MY-S4

DVB

Vertical Output for easier instalation.

Technical Specification

Frequency	758 - 862 MHz
VSWR	< 1.05 : 1 Broadband
Impedance	50 Ω
Insertion loss	< 0,18 dB
Power	From 0.6 to 80 Kw
Input Connector	N / EIA / DIN
Output Connector	N / EIA / DIN
Distribution	Symmetrical phase & amplitude

Number of outputs	2 to 8
Materials	Electrolytic copper, plated and passived brass, teflon isolators
	Leak proof by silicone tore joints.
	Copper-beryllium connectors termical processed and silver plated
Typical Length	300 mm

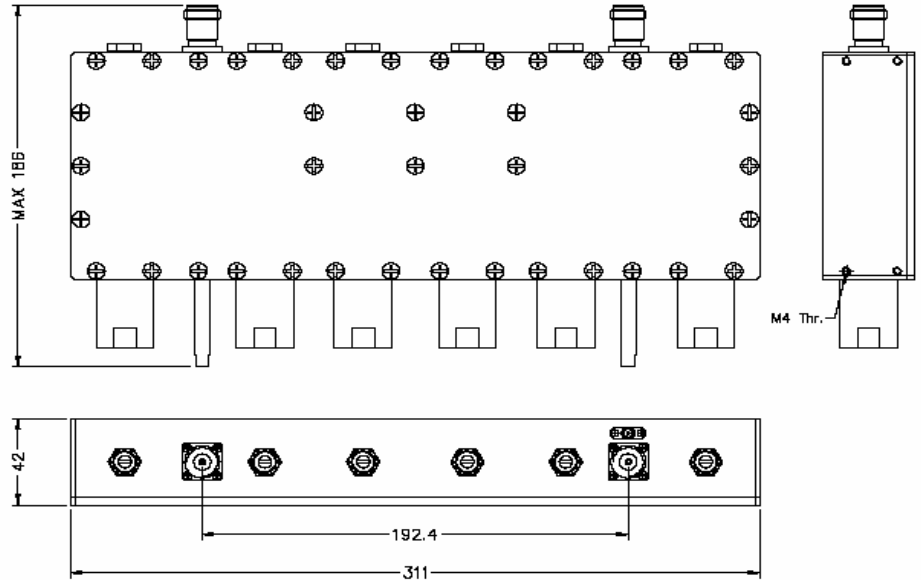


MY-S4	Input connector code		Output connector code		Way number								Power (Kw) min/max	
	type	code	type	code	2	3	4	5	6	8	10	12		
MY-S422x DVB	DIN 7/16 (F)	2	DIN 7/16	2	x	x	x		x					1
MY-S432x DVB	EIA 7/8"	3	DIN 7/16	2	x	x	x							1.5
MY-S442x DVB	DIN 13/30 (F)	4	DIN 7/16	2	x	x	x		x					2
MY-S452x DVB	EIA 1 5/8"	5	DIN 7/16	2	x	x	x	x	x					2 / 4
MY-S553x DVB		5	EIA 7/8"	3	x	x	x							3 / 4
MY-S554x DVB		5	DIN 13/30	4	x	x	x	x						4
MY-S555x DVB		5	EIA 1 5/8"	5	x									4
MY-S572x DVB	EIA 3 1/8"	7	DIN 7/16	2					x	x				6 / 8
MY-S573x DVB		7	EIA 7/8"	3					x	x				10
MY-S575x DVB		7	EIA 1 5/8"	5	x	x	x							8 / 10
MY-S585x DVB	EIA 4 1/2"	8	EIA 1 5/8"	5			x							16
MY-S587x DVB		8	EIA 3 1/8"	7	x									20

UHF DVB BANDPASS FILTER 80W / 4 POLES+ 2 NOTCH

MYF4P2NK08

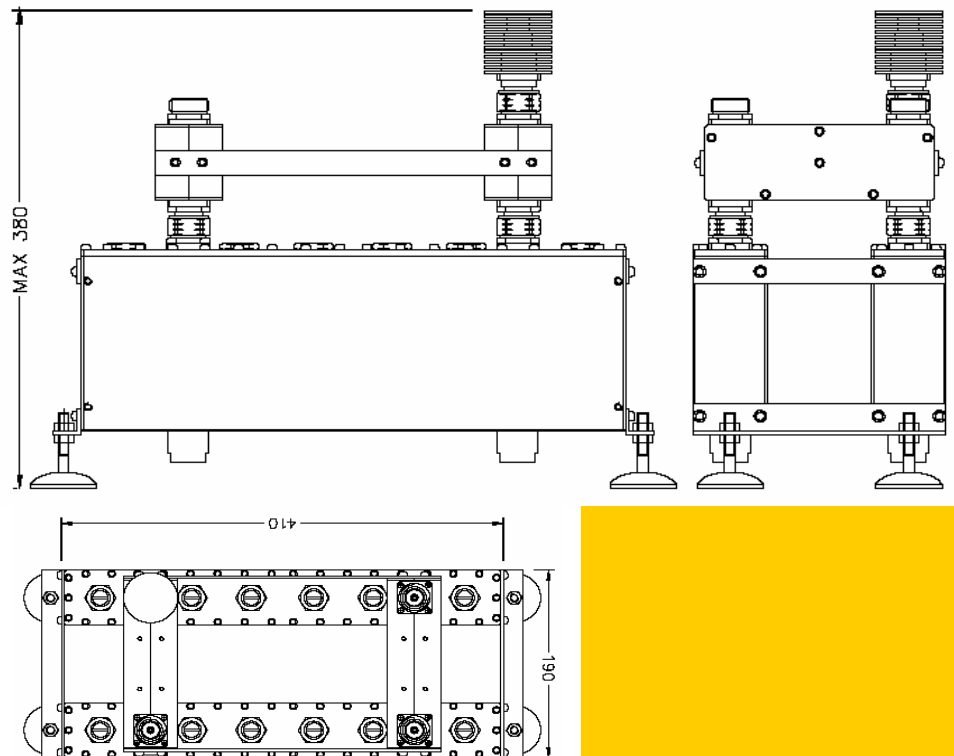
Technical Specifications	
Frequency range	470 ÷ 862 MHz
power	80w
Impedance	50 Ω
Insertion loss	< 1.00 dB @ 858 MHz
	< 0.80 dB @ 474 MHz
Connector	N (F)
Return loss	< -24 dB
Selectivity	< 1.8 dB @ ± 3.8 MHz
	> 15 dB @ ± 6.0 MHz
	> 30 dB @ ± 12 MHz
Bandwidth	8 MHz DVB-T standard
Group delay	< 200 ns
Weight	1.8 Kg
Colour	Aluminium
Temperature stability	-10°C to +50°C < 6 KHz/K



DVB-DIRECTIONAL COMBINERS

MYC4P2N1K5

Technical Specifications	
Frequency range	470 ÷ 862 MHz
Max total power	1.5 kW
NB Input power	400 W
Impedance	50 Ω
Insertion loss NB	< 0.83 dB @ 858MHz
	< 0.71 dB @ 474 MHz
Insertion loss WB	<0.1 dB
Connectors	DIN 7/16 (F)
	EIA 1 5/8" also available
Return loss	> 24 dB
Min spacing	1 guard channel
Decoupling	> 30 dB
Bandwidth	standard
Group delay	< 200 ns
Weight	12 Kg
Colour	Aluminium
Temperature	-10°C to +50°C

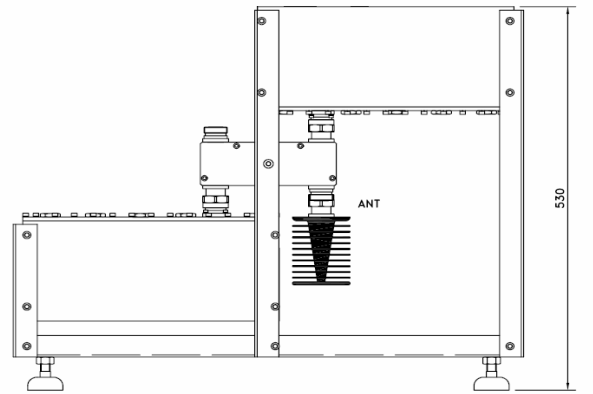


UHF DVB COMBINER CRITICAL-MASK RESPONSE

MYC8P2N1K5

Technical Specifications

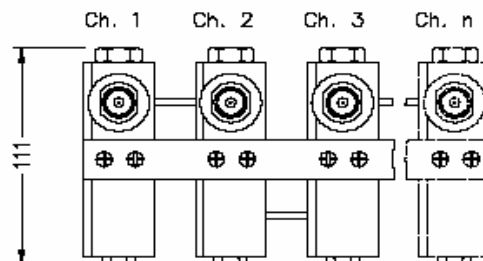
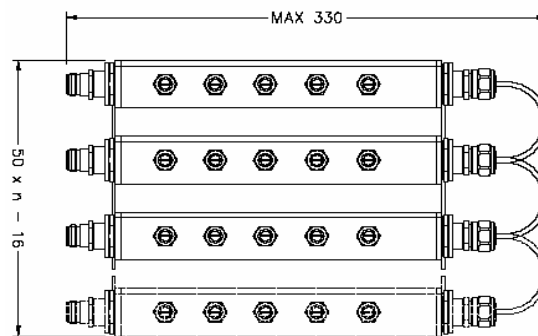
Frequency range	470 ÷ 860 MHz		
Max total power	1.5 kW		
NB Input power	400 W		
Impedance	50 Ω		
Insertion loss	Fo (MHz)	@474 MHz	@858 MHz
Passband filters	0	< 0.7 dB	< 1.10 dB
	± 3.8	< 1.6 dB	< 2.40 dB
	± 4.2	< 8.0 dB	< 8.00 dB
	± 6.0	< 40.0 dB	< 40.0 dB
	± 12.0	< 60.0 dB	< 60.0 dB
Insertion loss WB	< 0.1 dB		
Connectors	DIN 7/16 (F) EIA 1 5/8" also available		
Return loss	> 24 dB		
DVD mask	Critical. For adjacent channels		
Decoupling	> 35 dB		



DVB COMBILINE 200W / 5POLES MODULAR MULTIPLEXER

MYC4P2N1K5

Technical Specifications	MYCL5PK2-n
Frequency range	470 ÷ 862 MHz
Max total power	200w
Max total input power	50w / each channel
Impedance	50 Ω
Insertion loss	< 1.3 + 0.05 x n dB
Max. inputs	10 any channel combination
Connector	N(F)
Return loss	> 24 dB
Selectivity	> 8 dB @ +/- 6 MHz
Bandwidth	> 35 dB @ +/- 12 MHz
Group delay	standard
Min. spacing	< 80 ns
Peso	1 guard channel
Colour	1.8 Kg x n
temperature	Aluminium
	-10°C to +50°C

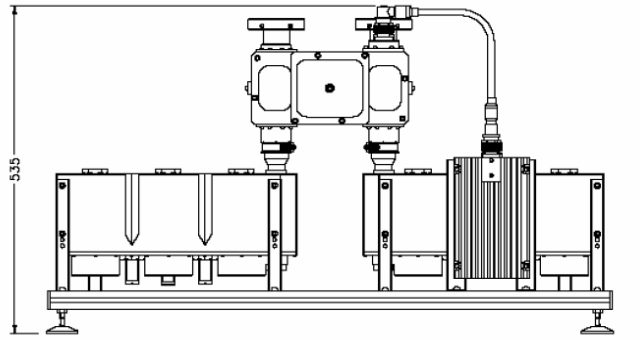


UHF DVB COMBINER 6 KW BRIDGE MODULAR MULTIPLEXER

MYC6P0N6K

Technical Specifications

Frequency range	470 ÷ 862 MHz
Max total power	6 kW
NB Input power	1.6 W
Impedance	50 Ω
Insertion loss NB	< 0.40 dB @ 858MHz
Insertion loss WB	< 0.34 dB @ 474 MHz
	< 0.05 dB
Connectors	EIA 1 5/8"
Return loss	> 24 dB
Min spacing	1 guard channel
Decoupling	> 30 dB
Bandwidth	8 MHz DVB-T
Group delay	< 200 ns
Weight	24 Kg
Colour	Aluminium

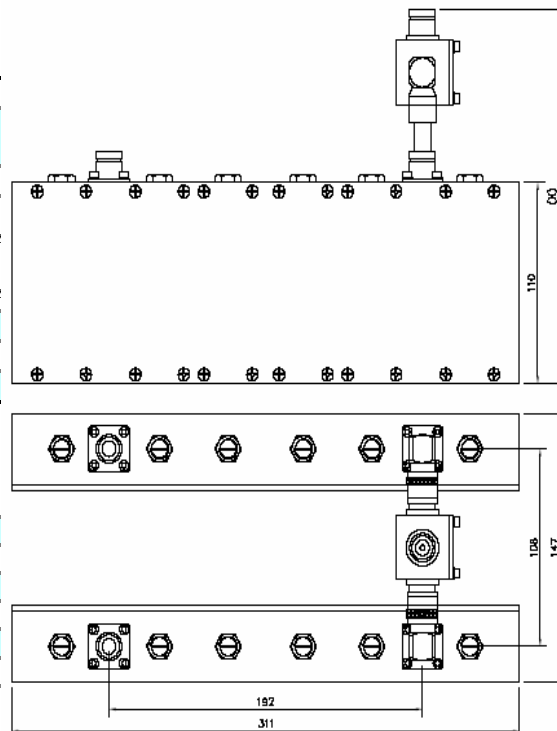


UHF DVB COMBINER 80W MODULAR STARPOINT

MYS4P2NK08

Technical Specifications

Frequency range	470 ÷ 862 MHz
Max input power	80w per channel DVB
Impedance	50 Ω
Insertion loss	< 1.00 dB @ 858 MHz
	< 0.80 dB @ 474 MHz
Max. inputs	5
Connectors	N(F)
Return loss	< -24 dB
Selectivity	> 15 dB @ ± 6 MHz
	> 30 dB @ ± 12 MHz
Bandwidth	standard
Group delay	< 200 ns
Min spacing	3 guard channel
Peso	1.8 Kg x n
Colour	Aluminium
temperature	-10°C to +50°C

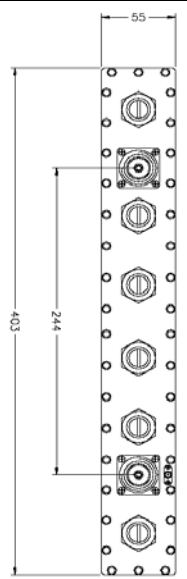


UHF DVB BANDPASS FILTER 200W / 6 POLES

MYF4P2NK2

Technical Specifications

Frequency range	470 ÷ 862 MHz
Max input power	200w
Impedance	50 Ω
Insertion loss	< 0.80 dB @ 858 MHz
	< 0.68 dB @ 474 MHz
Connector	DIN 7/16 (F)
Return loss	< -24 dB
Selectivity	< 1.5 dB @ ± 3.8 MHz
	< 16 dB @ ± 6.0 MHz
	< 35 dB @ ± 12 MHz
Bandwidth	8 MHz DVB-T standard
Group delay	< 200 ns
Weight	5 Kg
Colour	Aluminium
temperature	-10°C to +50°C

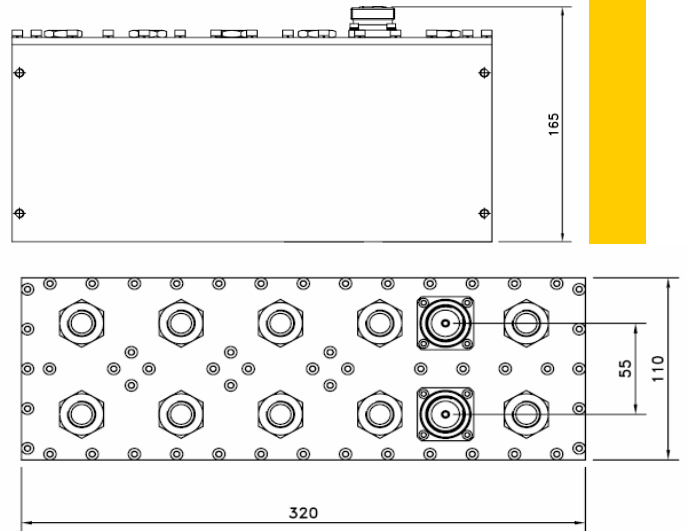


DVB BANDPASS FILTER 300W / 10 POLES CRITICAL-MASK

MYF8P2NK3

Technical Specifications

Frequency range	470 ÷ 862 MHz		
Max input power	300w		
Impedance	50 Ω		
Connector	2 x DIN 7/16 (F)		
Return loss	< -24 dB		
Insertion loss	fo (MHz)	@474 MHz	@858 MHz
	0	< 0.7 dB	< 1.10 dB
	± 3.8	< 1.6 dB	< 2.40 dB
	± 4.2	< 8.0 dB	< 8.00 dB
	± 6.0	< 40.0 dB	< 40.0 dB
Bandwidth	8 MHz DVB-T standard		
Group delay	< 350 ns		
Weight	12 Kg		
Colour	Aluminium		
Operating stability	-10°C to +50°C < 4 KHz/K		

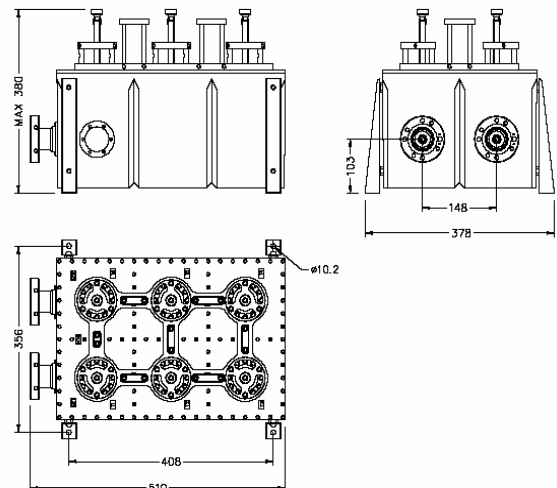


DVB UHF DVB BANDPASS FILTER 3KW / 6 POLES

MYF6P0N3K

Technical Specifications

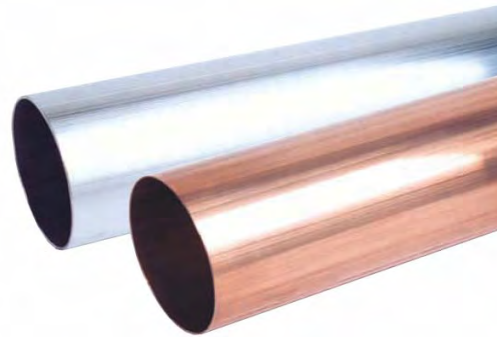
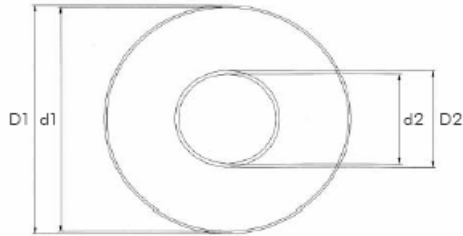
Frequency range	470 ÷ 862 MHz	Selectivity	> 12 dB @ ± 4.2 MHz
Max input power	3 Kw DVB		> 25 dB @ ± 6.0 MHz
Impedance	50 Ω		> 35 dB @ ± 12 MHz
Insertion loss	< 0.32 dB @ 858 MHz	Bandwidth	8 MHz DVB-T standard
	< 0.24 dB @ 474 MHz		Group delay
Connector	< 1.5 dB @ ± 3.8 MHz	Weight	33 Kg
	EIA 1 5/8"	Colour	Aluminium
Return loss	< -22 dB	Operating temperature	-10°C to +50°C
Temperature stability	< 2 KHz/K		





ACCESSORIES

RIGID LINE



Type of line	EIA 1 5/8"		EIA 3 1/8"		DIN 43/98		EIA 4 1/2"		EIA 6 1/8"		DIN 100/230	
Inner material	Low-loss copper		Low-loss copper		Low-loss copper		Low-loss copper		Low-loss copper		Low-loss copper	
Outer material	Copper		Copper		Copper		Copper		Copper		Aluminium	
Impedance	50		50		50		50		50		50	
D1 (mm/in)	41.28	1.63	79.38	3.13	100	3.94	107	4.21	155.6	6.13	235	9.25
d1	38.79	1.53	76.88	3.03	98	3.86	104	4.09	151.92	5.98	230	9.06
D2	16.87	0.66	33.4	1.31	42.55	1.68	45	1.77	66	2.60	100	3.94
d2	14.93	0.59	31.27	1.23	40	1.57	43	1.69	64.1	2.52	98	3.86
Frec. range(GHz)	2		1		0.9		0.8		0.6		0.4	
Velocity (%)	99.8		99.8		99.8		99.8		99.8		99.8	
Average power / Attenuation	Kw	dB/100m	Kw	dB/100m	Kw	dB/100m	Kw	dB/100m	Kw	dB/100m	Kw	dB/100m
@100 MHz *	16	0.70	45	0.35	70	0.27	80	0.26	154	0.20	340	0.10
@200 MHz	11	1.00	32	0.50	54	0.40	56	0.37	109	0.25	240	0.15
@400 MHz	8	1.50	22	0.70	34	0.50	40	0.50	77	0.36	180	0.20
@600 MHz	6	1.70	18	0.90	28	0.70	32	0.60	63	0.44	-	-
@800 MHz	5	2.00	16	1.00	24	0.80	28	0.70	54	0.51	-	-
@1000MHz	5	2.20	14	1.10	21	0.90	25	0.90	ND	-	-	-
Peak Voltage (Kv)@ 60 Hz	10		20		25		30		40		42	
Peak Power (Kw)@ RF **	198		715		1133		1271		2620		5828	
Weight 6 m (Kg)	12		25		45		50		65		110	

* ROE = 1 @ 80 °C inner T^a

$$E_p := 3.17 \cdot 10^4 \cdot d \cdot \delta \cdot \log\left(\frac{D}{d}\right) \cdot \left(1 + \frac{0.273}{\sqrt{d \cdot \delta}}\right)$$

$$E_{rf} := \frac{0.7 \cdot E_p}{SF \sqrt{2}}$$

$$P_{pk} := \frac{(E_{rf})^2}{Z_o}$$

Pk=Peak power D=Outer conductor (in) δ=Air density (1 standard atmosphere)
 Z0= Line Impedance SF=1.4 to 2 d=Inner conductor (in)
 Ep= Peak voltage (V)

** For 760 mm/Hg and T=23°C

Accessories / Accesorios

**Rigid Line /
Línea Rígida**

50 Ohm Rigid coaxial transmission line /
Línea Rígida 50 Ohm (5002)
Brass swivel flange (with solder ring)/
Brida móvil soldada
Field Flange unpressurized (camp-type) /
Brida móvil corcelete (5005)
Field Flange pressurized (soft solder type) /
Brida fija soldada (5003)
"O" ring, Silicone /
Arandela de silicona
Hardware set for flanges /
Juego de Tornillería completo
90 degrees Elbows unflanged (with clamps) /
Codós sin brida (5004)
Straight adaptor (with inners inside) /
Empalme (5006)
Anchor insulator connector inner /
Bellota (5003)
Step Reducer 1st side Male to Type N(F)/
Reducción de Macho a N(H)
Step Reducer 1st side M to Type 7/16 DIN (F)/
Reducción de Macho a DIN 7/16 (H)
Fixed hanger /
Punto de Subjeción
Through wall anchor plate /
Pasamuros

Unit	7/16	7/8"	1" 5/8	13/30	3" 1/8	43/98	4"1/2	6"1/8
m			LR-02-4		LR-02-7	LR-02-8	LR-02-9	LR-02-10
Unit		LR-038-2	LR-038-4		LR-038-7	LR-038-8	LR-038-9	LR-038-10
Unit			LR-05-4		LR-05-7	LR-05-8	LR-05-9	LR-05-10
Unit		LR-036-2	LR-036-4		LR-036-7	LR-036-8	LR-036-9	LR-036-10
Unit	T-92-3	T-92-2	T-92-4	T-92-6	T-92-7	T-92-8	T92-9	T92-10
Set		LR-038-2T	LR-038-4T		LR-038-7T	LR-038-8T	LR-038-9T	LR-038-10T
Unit			LR-04-4		LR-04-7	LR-04-8	LR-04-9	LR-04-10
Unit			LR-06-4		LR-06-7	LR-06-8	LR-06-9	LR-06-10
Unit		LR-032-2	LR-032-4		LR-032-7	LR-032-8	LR-032-9	LR-032-10
Unit	TR-1104	TR-3004	TR-3104	TR-1704	TR-3204	TR-2504		
Unit		TR-3010	TR-3110	TR-1710				
Unit			T93-4		T93-7	T93-8	T93-9	T93-10
Unit			T70-4		T70-7	T70-8	T70-9	T70-10

**Coaxial cable /
Cable coaxial**

Cable code /
Código de Cable
Grounding kit /
Kit de tierra
Fixed hanger /
Punto de Subjeción
Through Wall anchor plate /
Pasamuros

1/2" FOAM	7/8" FOAM	7/8" AIRE	1"5/8 FOAM	1"5/8 AIRE	3"1/8 AIRE	4" AIRE
CBL-61	CBL-67	CBL-68	CBL-75	CBL-76	CBL-80	CBL-81
T72-61	T72-67	T72-68	T72-75	T72-76	T72-80	T72-81
T93-61	T93-67	T93-68	T93-75	T93-76	T93-80	T93-81
T70-61	T70-67	T70-68	T70-75	T70-76	T70-80	T70-81

**Connector /
Conector para Cable(5001)**



N (M)
N (F)
7/16 (M) DIN
7/8" EIA
13/30 (M) DIN
1" 5/8 EIA
3"1/8 EIA
43/98 DIN

CXC-0561	CXC-0567	CXC-0568				
CXC-0461	CXC-0467	CXC-0468				
CXC-1161	CXC-1167	CXC-1168				
CXC-1261	CXC-1267	CXC-1268				
	CXC-1767	CXC-1768	CXC-1775	CXC-1776		
	CXC-1967	CXC-1968	CXC-1975	CXC-1976		
					CXC-2280	CXC-2281
					CXC-2580	CXC-2581

Also connector for Air Cables with valve for pressurization. Add "-V" option to code.
Disponibles Conectores para cables con aire con válvula de presurización. Añadir "-V" al código

**Adapters /
Transiciones (5009)**

Plate type Step Reducer		
1st side (half-inner)	2st Side	Code
3"1/8	1"5/8	TR-3231
1"5/8	13/30(F)	TR-3116
1"5/8	13/30(M)	TR-3117
1"5/8	7/8"	TR-3130
1"5/8	7/16(M)	TR-3111
7/8"	7/16(M)	TR-3011

Step Reducer		
1st side	2st Side	Code
6"1/8 EIA	3"1/8 EIA	TR-2922
13/30 (F)	N(F)	TR-1604
13/30 (F)	7/16 (F)	TR-1610
1"5/8 EIA	7/16 (M)	TR-1911
7/16 (F)	N(F)	TR-1004



**Directional couplers for measurement/
Sondas (4003)**

1 probe coupler 2xBNC /
1 Sonda 2xBNC
2 probe coupler 2xBNC/
2 Sondas 2xBNC

1" 5/8	3" 1/8	43/98	6"1/8
CPL-4-1	CPL-7-1	CPL-8-1	CPL-10-1
CPL-4-2	CPL-7-2	CPL-8-2	CPL-10-2

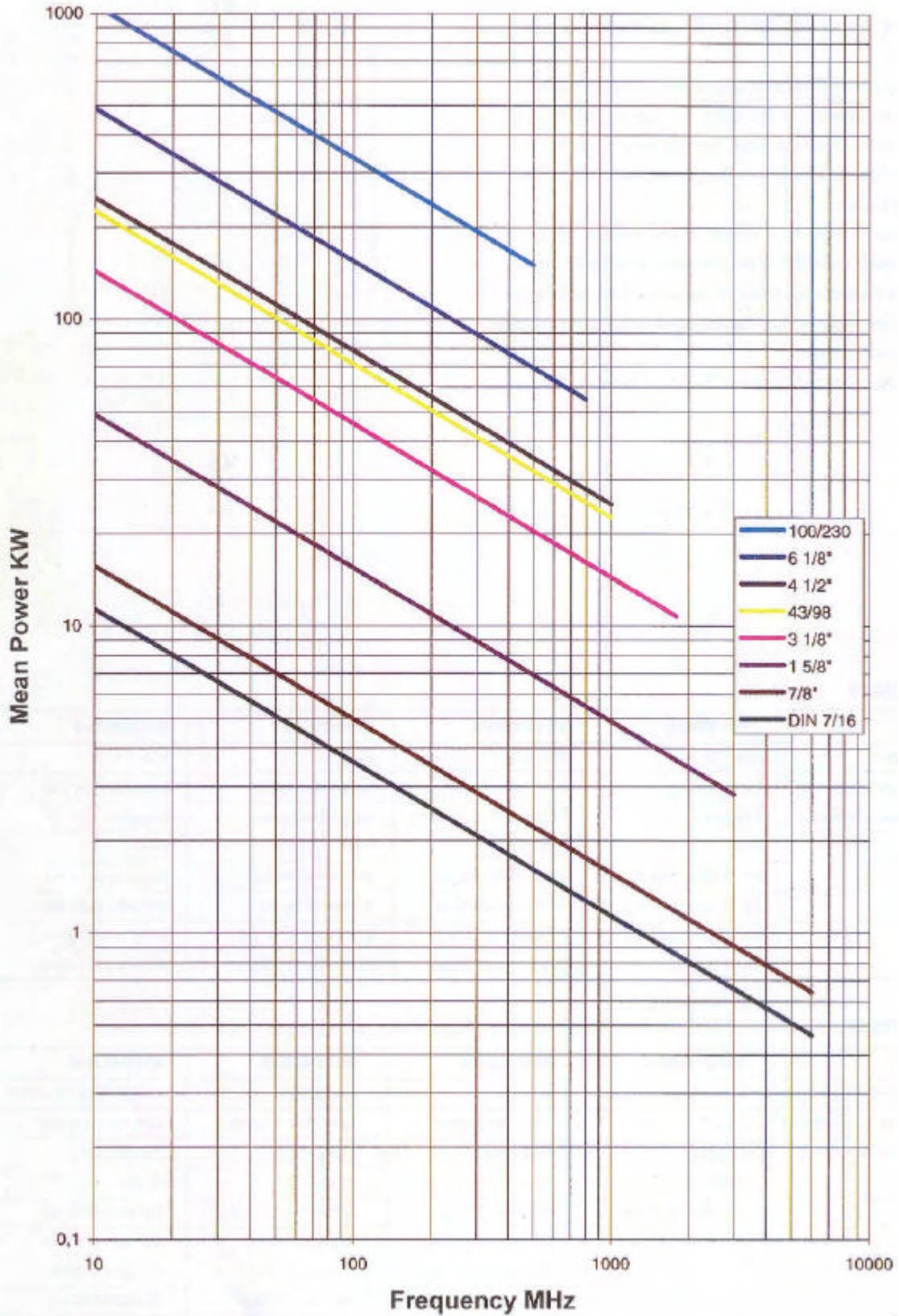
**Charges /
Cargas**

10W - N(M)
30W - 7/8 EIA
50W - 7/16 DIN

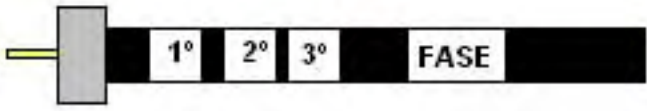
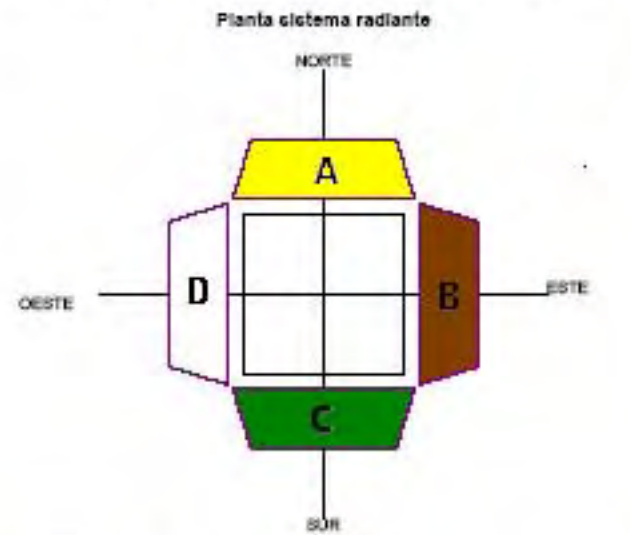
Z-0522	100W - N(F)	Z-0402
Z-1201	250W - N(F)	Z-0403
Z-1017	500W 7/16 - DIN	Z-1030

RIGID LINE POWER RATING

Data based on: Ambient T=40C, Inner T=80C



- LA CARA "A" ES LA MÁS CERCANA AL NORTE Y SE NOMBRAN SIGUIENDO EL SENTIDO HORARIO
- LA PLANTA 1 ES LA SUPERIOR Y SE NOMBRAN EN SENTIDO DESCENDENTE



- 1° → IDENTIFICA LA CARA
- 2° → IDENTIFICA LA PLANTA
- 3° → SE USA A PARTIR DE LA 8ª PLANTA
- FASE → CUANDO ES POLARIZACION CIRCULAR

- A PARTIR DE LA 8ª PLANTA SE MARCAN CON TRES COLORES
- EL COLOR 1º ES EL MÁS CERCAÑO AL COLECTOR
- SI HUBIESE POLARIZACIÓN CIRCULAR AÑADIR COLOR DE FASE

- λ + 45°: ROJO
- λ - 45°: AZUL

	A	B	C	D
1	1° 2° FASE	 FASE	 FASE	 FASE
2	 FASE	 FASE	 FASE	 FASE
3	 FASE	 FASE	 FASE	 FASE
4	 FASE	 FASE	 FASE	 FASE
5	 FASE	 FASE	 FASE	 FASE
6	 FASE	 FASE	 FASE	 FASE
7	 FASE	 FASE	 FASE	 FASE
8	 FASE	 FASE	 FASE	 FASE
9	 FASE	 FASE	 FASE	 FASE
10	 FASE	 FASE	 FASE	 FASE



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Specifications are subject to change without notice.

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