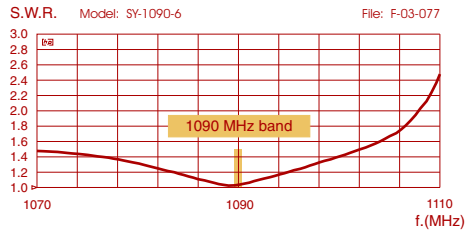
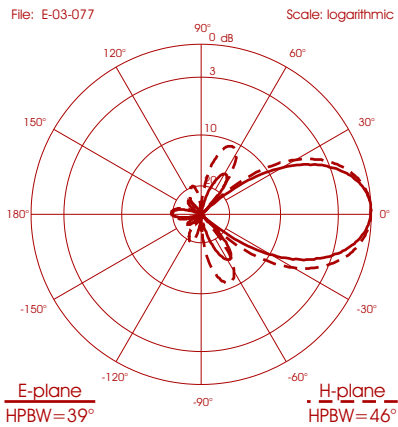


SY 1090-6

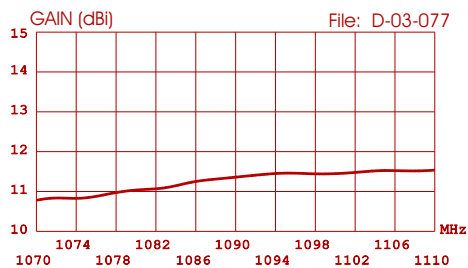
TYPICAL S.W.R. RESPONSE



TYPICAL RADIATION PATTERN at 1090 MHz

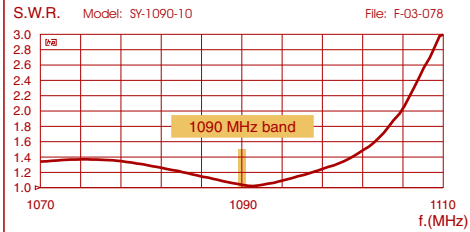


TYPICAL GAIN DIAGRAM vs FREQUENCY

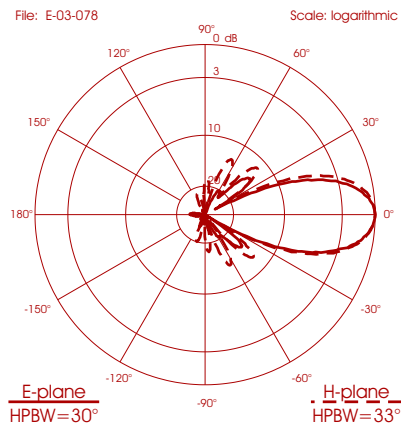


SY 1090-10

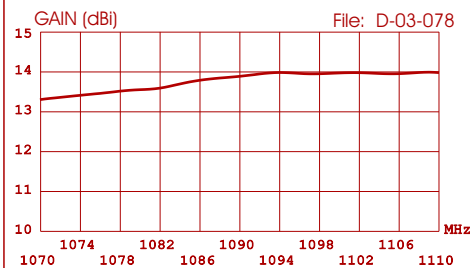
TYPICAL S.W.R. RESPONSE



TYPICAL RADIATION PATTERN at 1090 MHz

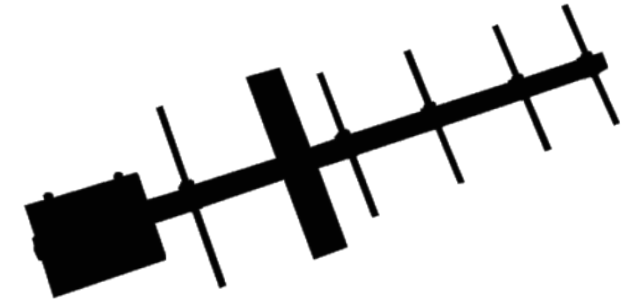


TYPICAL GAIN DIAGRAM vs FREQUENCY



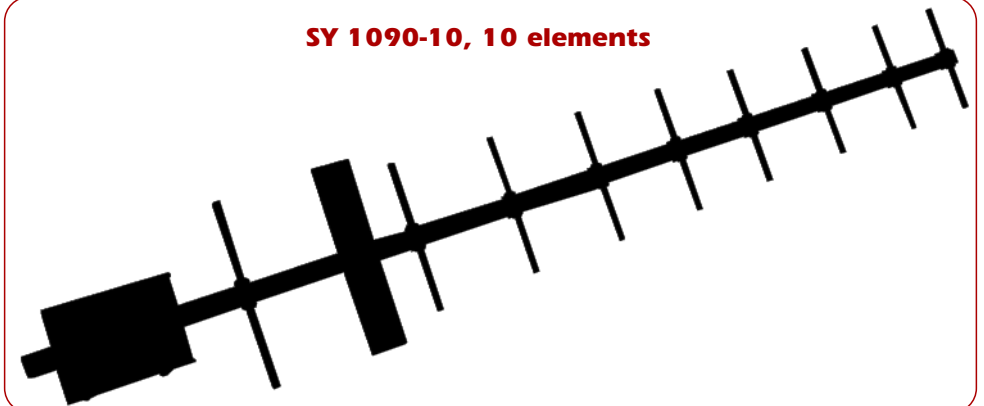
SY 1090-6 SY 1090-10

Base Station Yagi Antennas ADS-B 1090 MHz



SY 1090-6, 6 elements

SY 1090-10, 10 elements



HI-QUALITY ANTENNAS MADE IN ITALY

SPECIFICATIONS

SY 1090-6

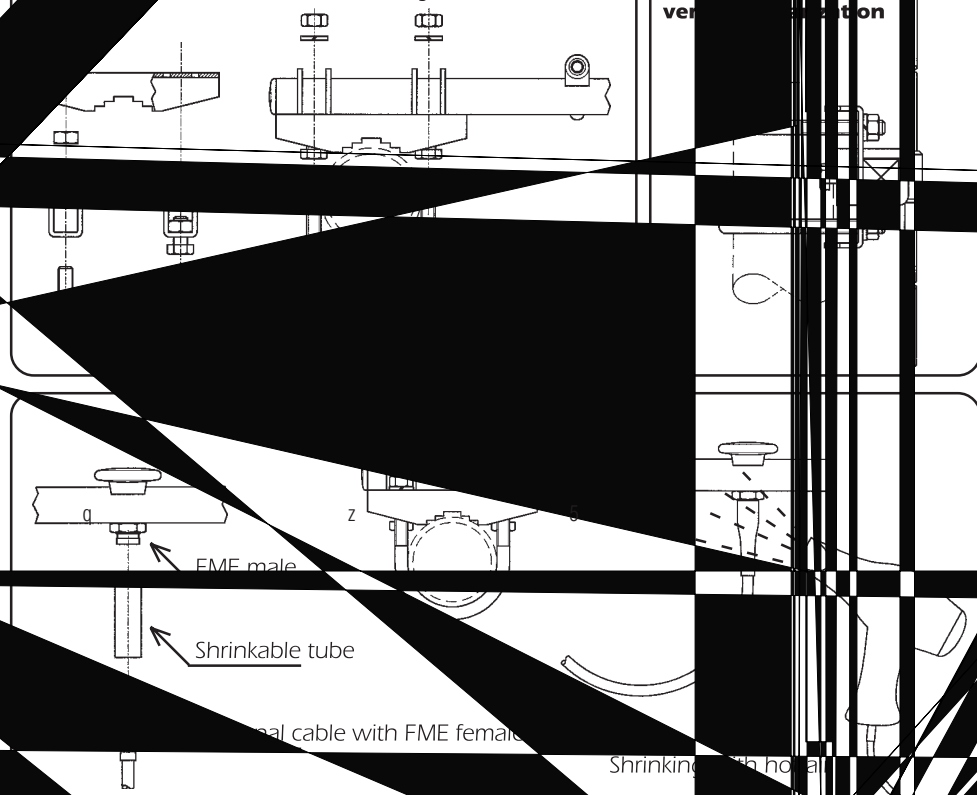
6 elements yagi antenna

Frequency	10.9 GHz	10.9 GHz
Gain	19.5 dBi	19.5 dBi
Beamwidth (3 dB)	46°	46°
Beamwidth (10 dB)	39°	39°
Half angle deg.	0	0
Element spacing	λ/2	λ/2
Element length	λ/4	λ/4
Element diameter	11.5 mm	11.5 mm
Element material	Aluminum	Aluminum
Element finish	Thermoplastic	Thermoplastic
Element mounting	Normalized Shrinkable Tube	Normalized Shrinkable Tube
Wind resistance	31 N @ 150 Km/h	31 N @ 150 Km/h
Wind Surface	180 Km/h	180 Km/h
Dimensions (approx)	145 x 505 x 20 mm	145 x 505 x 20 mm
Turning radius	19 in	19 in
Weight (approx)	610 gr; 1 lb	610 gr; 1 lb
Operating temperature	-40 to +80° C	-40 to +80° C
Installation	1.65 in with U-bolt	1.65 in with U-bolt

Mechanical

Housing	Aluminum	Aluminum
Bracket	Thermoplastic	Thermoplastic
Wind resistance	31 N @ 150 Km/h	31 N @ 150 Km/h
Wind Surface	180 Km/h	180 Km/h
Dimensions (approx)	145 x 505 x 20 mm	145 x 505 x 20 mm
Turning radius	19 in	19 in
Weight (approx)	610 gr; 1 lb	610 gr; 1 lb
Operating temperature	-40 to +80° C	-40 to +80° C
Installation	1.65 in with U-bolt	1.65 in with U-bolt

Bracket Assembly



File
ver
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