

A627013S



## A627013S 6 Meter / 2Meter / 70CM

Cushcraft's newest multiband directional yagi is designed to provide hobbyists who have limited tower or mast space with directional antenna performance on three of the most popular bands. The A627013S combines 6 meters, 2 meters and 70 centimeters on one boom. The 2m and 70cm interlaced Yagis are designed to share a common feed line. An independent feed line drives the 6m portion.

MODEL	A627013S		
Frequency, MHz:	50-54	144-148	430-450
No. Elements:	3	5	5
Forward Gain, dBi:	8	10	10
Front to Back Ratio, dB:	20	20	18
SWR 1.2:1 Typical			
2:1 Bandwidth, MHz:	>1	>4	>10
Power Rating, Watts PEP:	1000	350	350
3dB Beamwidth, Degrees			
E Plane:		48.5	48.5
H Plane:		60	60
Boom Length, ft (m):		8.66 (2.66)	
Longest Element, in (cm):		117 (300)	
Turning Radius, ft (m):		6.16 (1.87)	
Mast Size Range, in (cm):		1.25-2 (3.2-5.1)	
Wind Load, ft <sup>2</sup> (m <sup>2</sup> ):		2.52 (0.23)	
Weight, lb (kg):	9	.5 (4.3)	

- ▶ Outstanding performance thanks to Cushcraft's unmatched multiband design technology and experience.
- ▶ Rugged stainless steel mounting hardware is easy to install and maintain.

XM240



## Big Thunder Monobander

Cushcraft's XM240 monobander utilizes rugged Big Thunder hardware that combined with high strength aluminum tubing affords the antenna outstanding wind survivability. Phillystran boom trusses are used in the XM240 design for extra boom stability. The feed system is a 50 ohm direct feed with dual driven elements. VSWR is flat across the band. A high power 1:1 balun is included. The XM240 is field-proven for reliability and performance. Excellent front to back ratio and gain makes the XM240 the right choice for DX and for stacking as well.



Boom-to-Mast



Element Hardware

MODEL	XM240
Frequency, MHz:	7.0 - 7.3
Number Elements:	2
Forward Gain Free Space, dBi:	6.0
Fwd Gain @ 1 Wavelength Ht, dBi @ 14 deg :	12.5
Front to Back Ratio, dB:	20-25
VSWR Typical Minimum:	1.1:1
VSWR 1.5:1 Bandwidth, KHz:	150
Power Rating, Watts PEP:	1500
3dB Beamwidth, Degrees:	70
Side Lobe Attenuation, dB:	>35
Boom Length, feet (m):	22 (6.7)
Boom Diameter, inches (cm):	2.5 (6.3)
Longest Element, feet (m):	43 (13.1)
Turning Radius, feet (m):	24.3 (7.4)
Max Mast Size, inches (cm):	2.5 (6.35)
Wind Surface Area, sq ft (sq m):	55 (.51)
Wind Load @ 80 mph, lbs (kg):	142 (64.4)
Weight, lbs (kg):	55 (25)