

# PRODUCT DATA SHEET

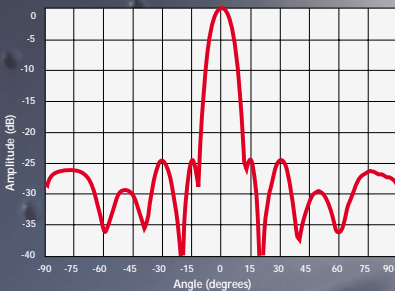


## PARABOLIC DISH ANTENNA

- Horizontal/Vertical polarization adjustable
- Heavy duty mounting hardware
- High gain
- High quality construction



S24024PDFN



## ISM Band Parabolic Reflector Antenna

Cushcraft's S24024PDFN antenna provides for point to point or point to multipoint reception and transmission of linear polarized signals in the 2400-2500 MHz frequency band. Both the antenna and its mounting hardware are extremely rugged assuring users that their critical communications links will be maintained even in the harshest environments. The mounting hardware allows for  $\pm 20$  degrees of reflector tilt adjustment. The feed is adjustable for vertical or horizontal polarization.

### SPECIFICATION CHART

Model:	S24024PDFN
Reflector Size:	35" dia. (88.9 cm)
Frequency:	2400-2500 MHz
VSWR:	1.5:1 maximum
Polarization:	Linear Vertical or Horizontal
Gain:	23.5 dBi minimum
Front-to-Back Ratio	35 dB
E-Plane (3 dB beamwidth):	10°
H-Plane (3 dB beamwidth):	10°
Sidelobes:	23 dB typical
Power:	50 Watts maximum
RF Connector:	Type N female
Elevation Adjustment:	$\pm 20$ degrees
Weight w/mounting hardware:	13 lb (5.8 kg)
Mounting:	Mast mounted
Reflector Material:	Aluminum
Wind Survival:	120 mph (193 kph)
Mast Diameter:	2.5" max. (6.3 cm)