



NA 5x29 SPG

**Directional Antenna, 5.1-6.0 GHz, 29 dBi
Semi Parabolic Grid, 905 x 705 mm**

Specifications

ELECTRICAL

Frequency Range	5.15-6.0 GHz	
Gain	28dBi (min) @ 5.15 to 5.35 GHz & 5.875-6.0 GHz 29dBi (min) @ 5.35 to 5.875 GHz	
VSWR	1.9:1 (typ) 2.5:1 (max) @ 5.15-5.4 GHz 2.0:1 (max) @ 5.4-6.0 GHz	
3 dB Beamwidth:	Az.	3.5°(typ)
	El.	5.0°(typ)
Polarization	Linear	
Sidelobes Level:	Az.	10 dB (max), 13 dB (typ)
	El.	16 dB (max), 20 dB (typ)
Cross Polarization	Az.	-27 dB (max), -32 dB (typ)
	El.	-22 dB (max), -30 dB (typ)
F/B Ratio	-40 dB (typ)	
input impedance	50 (ohm)	
Power	10 W	

MECHANICAL

Dimensions (Actual reflector Dimension)	905 x 705 mm	
Dish focal length	354 mm	
Weight	3.3 (kg)	
Cable + Connector	150 mm RG58 W/N (f)	
Radome	NA	
Dish Material	Die cast Aluminum	
Outline Drawing	RD 42423200 C	

ENVIRONMENTAL

TEST	STANDARD	DURATION	TEMPERATURE	NOTES
Low temperature	MIL-STD-810E 502.3 PROC.I	48 Hrs	-30°C	-
High temperature	MIL-STD-810E 501.3 PROC.I	48 Hrs	+70°C	-
Temp. Cycling	MIL-STD-810E 502.3 PROC.I	16 Cycles	-30°C +70°C	-
Vibration	MIL-STD-810E 514-4 CAT.8	1 Hrs	-	-
Shock Mechanical	MIL-STD-810E 516-4 PROC.I	3 Blows 10ms	-	-
Rain	MIL-STD-810E 506-3 PROC.I	-	-	-
Water tightness	MIL-STD-810E 506-3 PROC.I	-	-	IP-65
Solar radiation	-	168 h	-	Min 8 years
Flammability	UL94	-	-	HB
Salt spray	IEC 68-2-11 Ka	-	-	-
Ice and snow	-	-	-	25mm Radial
Wind speed survival Operation	-	-	-	120 Km/hours
Wind load (survival): Front thrust Side thrust	-	-	-	160 Km/hours



www.netronics-networks.com

Netronics Technologies Inc.

600-15 Allstate Parkway
Markham, Ontario, L3R 5B4,
Canada
Tel: + 1 (905) 415 4585
Fax: + 1 (416) 352 5720

Middle East Office

P.O.Box 29650, Dubai, U.A.E
Tel: + (9714) 319 92 64
Fax: + (9714) 319 92 65

