



MT-487000/N

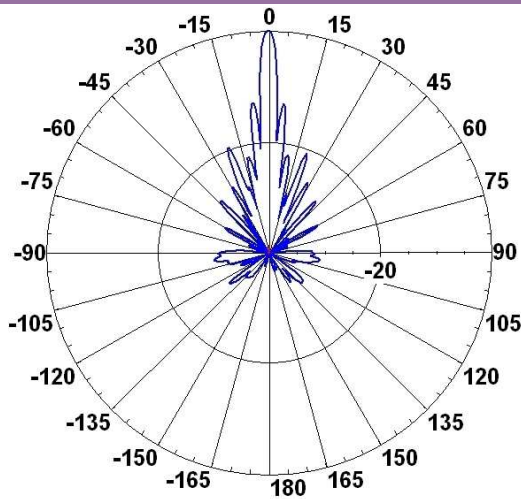
5.15-6.0 GHz 29 dBi GRID Antenna

Specifications

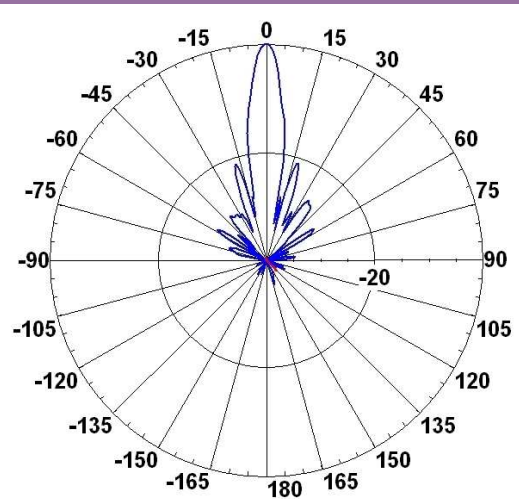
MTI PART NUMBER		MT - 487000/N		
ELECTRICAL				
FREQUENCY RANGE		5.15 - 6.0 GHz		
GAIN		28dBi (min) @ 5.15 - 5.35 GHz & 5.875 - 6.0 GHz 29dBi (min) @ 5.35 - 5.875 GHz		
VSWR		1.9 :1 (typ) 2.5 : 1 (max) @ 5.15 - 5.4 GHz 2.0:1 (max) @ 5.4 - 6.0 GHz		
3dB BEAMWIDTH	Az.	3.5° (typ)		
	El.	5.0° (typ)		
POLARIZATION		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)		
INPUT POWER		10W (max)		
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-Type Female		
RADOME		N/A		
DISH MATERIAL		Die cast Aluminum		
OUTLINE DRAWING		See page 2		
MOUNTING KIT		Included		
ENVIRONMENTAL				
TEST	STANDARD	DURATION	TEMPERATURE	NOTES
LOW TEMPERATURE	MIL-STD-810E 502.3 PROC. I	48 h	-30 °C	-
HIGH TEMPERATURE	MIL-STD-810E 501.3 PROC. I	48 h	+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 10 ms -	-	-
RAIN	MIL-STD-810E 506-3 PROC. I	-	-	-
WATER TIGHTNESS	MIL-STD-810E 506-3 PROC. I	-	-	IP65
SOLAR RADIATION	-	-	-	Min 8 years
FLAMMABILITY	UL94	-	-	Class HB
SALT SPRAY	IEC 68-2-11 Ka	168 h	-	-
ICE AND SNOW	-	-	-	25mm Radial
WIND SPEED SURVIVAL OPERATION	-	-	-	120 Km/h
WIND LOAD (SURVIVAL)	-	-	-	160
FRONT THRUST	-	-	-	Km/h
SIDE THRUST	-	-	-	

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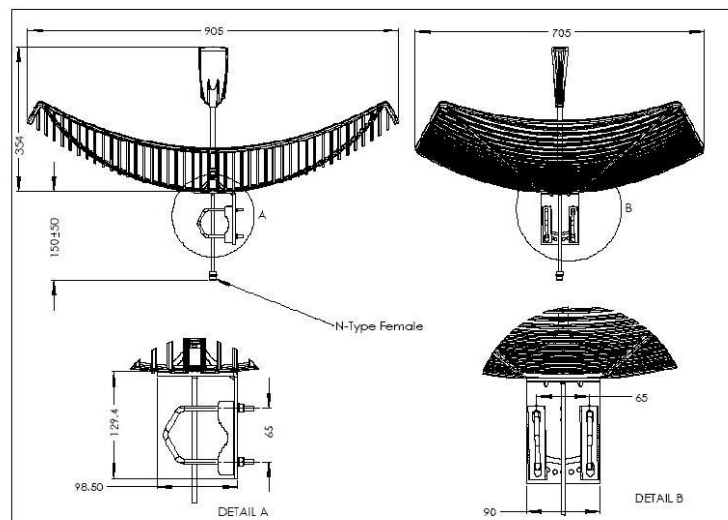
Azimuth Radiation Pattern
 Midband Freq. 5.15 GHz



Elevation Radiation Pattern
 Midband Freq. 5.15 GHz



Dimensions [mm]



MTI group is certified according to ISO 9001 and ISO 14001.

WAIVER!

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