

Electrical				
Regulatory Compliance	RoHS, CE 0682			
Frequency Range	470 – 750 MHz			
Gain	10.2 dBi @ 470 MHz 11.5 dBi @ 585 MHz 12.0 dBi @ 700 MHz 11.5 dBi @ 750 MHz			
Gain @ +/- 45 deg	7.0 dBi @ 470 MHz 8.0 dBi @ 585 MHz 8.0 dBi @ 700 MHz 7.5 dBi @ 750 MHz			
VSWR	1.7:1 max @ 470-700 2.0:1 max @ 700-750			
Polarization	Dual linear Vertical & Horizontal			
Azimuth 3 dB Beam width	90°			
Elevation 3 dB Beam width	24° @ 470 MHz 20° @ 585 MHz 16° @ 700 – 750 MHz			
Port To Port Isolation	30 dB min, 35dB typ			
Front to Back Ratio	18 dB			
Input Impedance	50 Ω			
X-Pol	25 dB			
Power Handling	20 W CW			
Lightning Protection	DC Ground			
Mechanical				
Dimensions	1354 x 406 x 145 mm (max)			
Weight	8.0 Kg max			
Connector	2 x N-TYPE Female			
Radome	Plastic			
Base Plate	Aluminum with chemical conversion coating			
Mounting Kit	MT-120038, pole mount 3 – 4.5"			
Environmental				
Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72 h	-45°C	
High Temperature	IEC 68-2-2	72 h	+71°C	
Temp. Cycling	IEC 68-2-14	1 h	-45°C +70°C	3Cycles
Vibration	IEC 60721-3-4	30 min/axis		Random 4M5
Shock Mechanical	IEC 60721-3-4			4M5
Humidity	ETSI EN300-2-4 T4.1E	144 h		95%
Water Tightness	IEC 529			IP64
Solar Radiation	ASTM G53	1000 h		
Salt Spray	IEC 68-2-11 Ka	500 h		
Ice And Snow				25 mm Radial
Wind Speed Survival Operation				220 Km/h 160 Km/h
Wind Load (Survival) Front Thrust				188.4 Kg
Side Thrust				62.8 Kg

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