

80 GHz 50.5 dBi 2 Ft Dish

Electrical				
Regulatory Compliance		FCC ETSI Class 3 RoHS , CE 0682		
Frequency Range		71 – 76GHz, 81 – 86 GHz		
Gain		50.0 dBi min		
VSWR		1.5 : 1		
3 dB Beam width AZ & EL		FCC ETSI Class 3 0.50 deg max		
Polarization		V or H		
Side lobe suppression		FCC ETSI Class 3		
Cross polarization		FCC ETSI Class 3		
Cross pol discrimination		27 dB min		
F/B ratio		FCC ETSI Class 3		
Input Power		10 W max		
Mechanical				
Dimensions		Ø655 mm x 300 mm depth max		
Weight		7.5 Kg max		
Interface		WR12		
Radome		Plastic		
Environmental				
Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 60068-2-1	72 h	-55°C	3 Cycles Random4M5 4M5 95% IP67*
High Temperature	IEC 60068-2-2	72 h	+71°C	
Temp. Cycling	IEC 60068-2-14	1 h	-45°C +70°C	
Vibration	IEC 60721-3-4	30 min/axis		
Shock Mechanical	IEC 60721-3-4			
Humidity	EN300 019-2-4 T4.1E	144 h		
Water Tightness	IEC 60529			
Solar Radiation	ASTM G53	1000 h		
Salt Spray	IEC 60068-2-11 Ka	500 h		
Ice And Snow	-			25mm Radial
Wind Speed	ETSI EN 302 085 V1.1.2			
Survival	HEAVY DUTY			252 Km/h
Operation	HEAVY DUTY			164 Km/h

* For the feed & interface to the radio (when radio installed on antenna).