

## 3.3 – 3.8 GHz Embedded Dual Slant 8 dBi Antenna

Electrical				
Regulatory Compliance	RoHS , CE 0682			
Frequency Range	3.3 – 3.8 GHz			
Gain	8 dBi $\pm$ 1dB			
VSWR	1.5:1 typ, 2:1 max			
Polarization	Dual Slant $\pm$ 45°			
-3 dB Azimuth beam width	55° typ			
-3 dB Elevation beam width	65° typ			
Beam squint Az & El	5° typ			
Side lobes level	-18 dB typ, -13 dB max			
XPD	-20 dB typ, -15 dB max			
Port To Port Isolation	20 dB min			
F/B Ratio	-25 dB typ			
Input Impedance	50 $\Omega$			
Input Power	4 W max			
Lightning Protection	DC Grounded			
Mechanical				
Dimensions (LxWxD)	100 x 100 x 2 mm max			
Distance between antenna surface to radome	5.5 mm			
Weight	0.15 kg max			
Connectors	2 x pigtail with connector UFL Port 1 – 350 mm Port 2 – 350 mm			
Radome	Supplied by customer			
Environmental				
Test	Standard	Duration	Temperature	Notes
Low Temperature	IEC 68-2-1	72 h	-55°C	-
High Temperature	IEC 68-2-2	72 h	+71°C	-
Temp. Cycling	IEC 68-2-14	1 h	-45°C +70°C	3 Cycles