



Microwave Antenna Specifications

SLA0317S3S18C20

17, 18 GHz, 0.3m

RACOM RAY unit direct mounting



Electrical Specifications					
Frequency (GHz)	17.1~19.7				
Polarization	Single(V or H)				
Gain , Low(dBi)	33.3				
Gain, Mid(dBi)	34				
Gain, Top(dBi)	34.6				
Beam Width	3.2°				
Cross-pol. Discrimination_XPD (dB)	30				
F/B Ratio (dB)	63				
VSWR / RL (dB)	1.3/17.7				
Regulatory Compliance	ETSI EN 302217 Range 2 Class 3 US FCC Part 101.115 B2				
Mechanical Specifications					
Diameter (m)	0.3				
Antenna Color	RAL7035				
Radome Options	Foam				
Interface Type	Circular waveguide Dia 11mm				
Side Struts, Included	0				
Azimuth Adjustment	Coarse : 360 ° Fine : ±15 °				
Elevation Adjustment	Fine : ±15 °				
Diameter of Mounting Pole (mm)	Φ51~Φ114				
Wind Velocity Survival Rating (km/h)	252				
Wind Velocity Operational (km/h)	200				
Ice-load (mm)	25.4				
Operational Temperature (°C)	-45~+60				
Packaging	Carton				
Net weight(Kg)	5.9				
L×W×H (mm)	480*480*267				
Wind Load Specifications					
Axial Force (N) @ survival wind speed	444				
Side Force (N) @ survival wind speed	219				
Twisting Moment (N•m) @ survival wind speed	141				
	Dimensions (mm)	ΦA	B	C	D
		386	318	137	180
Note: 1. The values of B and C are measured at the pole diameter of 114mm 2. The thickness of the radome is not included in the dimensions of A and C					