



Microwave Antenna Specifications

SLA1217S3S18C20

17, 18 GHz, 1.2m

RACOM RAY unit direct mounting



Electrical Specifications						
Frequency (GHz)	17.1~19.7					
Polarization	Single(V or H)					
Gain , Low(dBi)	44					
Gain, Mid(dBi)	44.5					
Gain, Top(dBi)	45.1					
Beam Width	0.9°					
Cross-pol. Discrimination_XPD (dB)	30					
F/B Ratio (dB)	73					
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)	1.2					
Antenna Color	RAL7035					
Radome Options	Fabric					
Interface Type	Circular waveguide Dia 11mm					
Side Struts, Included	1					
Azimuth Adjustment	Coarse : 360 ° Fine : ±10 °					
Elevation Adjustment	Fine : ±10 °					
Diameter of Mounting Pole (mm)	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	wooden					
Net weight(Kg)	37.4					
L×W×H (mm)	1380*380*1550					
Wind Load Specifications						
Axial Force (N) @ survival wind speed	5050					
Side Force (N) @ survival wind speed	2492					
Twisting Moment (N•m) @ survival wind speed	1979					
	Dimensions	ΦA	B	C	D	E
	(mm)	1302	392	706	292	1540
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						