

RADWIN Antenna Specifications

RW-9611-4958

4.9-5.875 GHz
Gain 23dBi
Dual Polarization
Flat Panel



<i>Electrical</i>	
Frequency Range	4.9-5.875 GHz
Minimum Peak Gain	22.5 dBi $\pm$ 0.5 @ 4.9-5.25 GHz 23 dBi $\pm$ 0.5 @ 5.25-5.875 GHz
VSWR	1.5 : 1 (typ) 1.7 : 1 (max)
3 dB Beamwidth	9° (typ)
AZ & EL Beam Squint	$\pm$ 2° Port V & Port H
Polarization	Dual Linear (Vertical and Horizontal)
Sidelobes Level	ETSI EN 302 085 V1.1.2, TS1-TS3
Cross Polarization	ETSI EN 302 085 V1.1.2, TS1-TS3
F/B Ratio	-35 dB (max)
Port To Port Isolation	40 dB (min)
Input Impedance	50 (ohm)
Input Power	10W (max)
Lightning Protection	DC grounded
<i>Mechanical</i>	
Dimensions (L x W x H)	371 x 371 x 40mm (max)
Weight	2.5 kg (max)
Connector	Two N type female
Radome	Plastic
Base Plate	Aluminum with chemical conversion coating
Mounting Kit	Standard
<i>Environmental</i>	
Temperature	-45°C to +70°C (IEC 68-2-1, IEC 68-2-2, IEC 68-2-14)
Humidity	Up to 95% (ETSI EN300-2-4, T4.1E)
Water Tightness	IEC 529 - IP67
Flammability	UL 94 - class HB
Solar Radiation	ASTM G53
Salt Spray	IEC 68-2-11
Ice and Snow	Up to 25mm
Wind Speed	Survival 220 Km/h Operation 160 Km/h
Wind Load (Survival)	Front Thrust 39.6 kg Side Thrust 4.3 kg
<i>Regulatory Compliance</i>	
	ETSI EN 302 326-3 V1.1.2. (2006-03) RoHS , CE 0682