

Dual Band – Quasi-Omni Panel Antenna

MA-CL92-5

PRELIMINARY

Design proposed to IR



Specifications:

Electrical

Standard	900 MHz	2.4 GHz
Frequency range	902 – 928 MHz	2.4 – 2.5 GHz
GAIN, typ.	4.5 dBi	4.5 dBi
VSWR, max.	1.8 : 1	1.8 : 1
3 dB Beam-Width, H-Plane, typ.	120°	110°
3 dB Beam-Width, E-Plane, typ.	65°	70°
Polarization	Mixed, Vertical and Horizontal	
Front to Back, min	9 dB	
Input power, max	5 Watt	
Input Impedance	50 Ohm	
Lightning Protection	DC Grounded	

Mechanical

Dimensions (HxWxD)	230 x 214 x 31 mm (9.1"×8.4"×1.2")
Weight	Approx 500 gr.
Connector	N-Type, Female
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Mount	See Ordering Options

Environmental

Operating Temperature Range	- 40°C to + 65°C
Vibration	According to IEC 60721-3-4
Wind Load	200 km/h (survival)
Flammability	UL94
Water Proofing	IP-65
Humidity	ETS 300 019-1-4, EN 302 085 (annex A.1.1)
Salt Fog	According to IEC 68-2-11
Ice and Snow	25mm radial (survival)
Service Life	>10 years

Specifications subject to change without notice