

OMNIDIRECTIONAL ANTENNA

Part No. SAP-OD-XXXX-01

The SAP-OD-XXXX-01 is a vertically polarized omnidirectional antenna consisting of a collinear array of dipoles enclosed in a tubular radome. The antenna is designed for operation under severe weather conditions.

ELECTRICAL SPECIFICATIONS

Frequency Range	: 1880-1930 MHz
Gain	: 12 dBi
VSWR	: 1.5:1 Maximum **
Polarization	: Vertical
Power Rating	: 1 watt
E-Plane Beamwidth (-3 dB)	: 5.5 degrees
Cross Polar discrimination	: 20 dB
Impedance	: 50 Ω nominal
Termination	: Type N female

** 20 MHz band in the range 1880 to 1930 as required.

12dBi

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MECHANICAL SPECIFICATIONS

Overall Length	: 1540 mm (60.62 in.)
Radome Diameter	: 36 mm (1.41 in.)
Weight including Clamps	: 5.3 kg.
Mounting	: Two sets of clamps suitable for mounting to pipe OD 50 mm to 100 mm supplied.

MATERIALS

Radiating Elements	: Copper
Radome	: FRP
Base	: Aluminium
Clamps	: Hot dip galvanized steel

PART NO

Frequency Range 1880 - 1900	: SAP-OD-1880-01
Frequency Range 1900 - 1920	: SAP-OD-1900-01
Frequency Range 1910 - 1930	: SAP-OD-1910-01
Other frequency ranges	: Available against specific requirements.

All specifications in this document are subject to change without further notice for incorporating improvements or design upgradation.



12dBi