

OMNIDIRECTIONAL ANTENNA

Part No. SAP-OD-XXXX-03

The SAP-OD-XXXX-03 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	: 9 dBi
VSWR	: 1.5:1 Maximum **
Polarization	: Vertical
Power Rating	: 1 watt
E-Plane Beamwidth (-3 dB)	: 11 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



9dBi

OMNIDIRECTIONAL ANTENNA

Part No. SAP-OD-XXXX-00

MECHANICAL SPECIFICATIONS

Overall Length	: 1100 mm (43.30 in.)
Radome Diameter	: 25.4 mm (1.0 in.)
Mounting	: Surface mounting clamp with SS fastening (or) Heavy duty hot dip galvanized mast clamp suitable for mounting to pipe OD 50 mm to 100 mm (option to be specified).
Weight including	
Surface Mounting Clamps:	1.1 kg.
Mast Mounting Clamps :	3.1 kg.

MATERIALS

Radiating Elements	: Copper
Radome	: PC
Base	: Aluminium
Clamps	: Hot dip galvanized steel [mast mounting, heavy duty] or surface mounting clamps

PART NO

Frequency Range 1880 - 1900	: SAP-OD-1880-03
Frequency Range 1900 - 1920	: SAP-OD-1900-03
Frequency Range 1910 - 1930	: SAP-OD-1910-03
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.