



DUAL POLARISED TRI-SECTOR ANTENNA GSM900 XP/3-90/16/2,4 or 6 Type 1756

- ❑ TRI-SECTOR MONOPOLE MOUNTING
- ❑ 3 x 90° SECTORS

The antenna system is an array of 3 x 90° antennas mounted within a cylinder. The cluster diameter is 200mm, providing a very low profile to ease planning applications. The system is supplied complete with mini -stub tower allowing easy access to the coaxial feeders. The individual arrays can be supplied with 2, 4 or 6° of fixed electrical tilt and the system can be supplied with any combination to suit the site requirements. Orientation of the system is carried out by rotation of the cylinder.

TECHNICAL SPECIFICATION

Frequency	870-960MHz
Gain	15.8dBi
VSWR	1.3:1 max
Horizontal Beamwidth	3 x 90°
Vertical Beamwidth	6.5°
Polarisation	+45° and -45°
Fixed Electrical Downtilt	2°, 4° or 6°
Upper Sidelobe Suppression	>11dB
Front-to-Back Ratio	>16dB
Isolation	>22dB
Power Rating	200W per port
Connectors	6 x 7/16" DIN female
Impedance	50Ω
Dimensions (LxØ)	2810 x 200mm
Radome Dimensions (Ø)	200mm
Wind Loading	Antenna only 680N @ 45m/s Antenna & 2.0m stub tower 1160N @ 45m/s
Operational Wind Speed	45m/s
Survival Wind Speed	56m/s
Lightning Protection	DC grounded
Stub Tower	0.3, 1.5 or 2.0 m
Flange Detail	6 x M12 fixings on 300PCD interfacing plate diameter 350mm
Weight	82.5kg (inc. 2m tower)
Temperature Range	-55°C to +70°C



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Inotek Antennas reserve the right to vary in detail from the description and specification in this publication. Issue: 04/07

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