

## DUAL POLARISED DUAL-BAND ANTENNA GSM900/1800 XP/85/16/4 TYPE 1661-0000

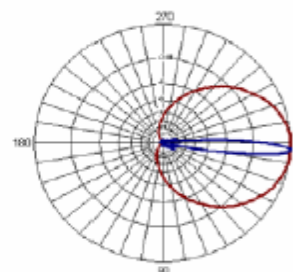
- ❑ TWO CONNECTOR PORTS
- ❑ IN-BUILT DIPLEXER

These dual-band models are intended to reduce the antenna hardware required to operate GSM900 and GSM1800 at the same sites. The units feature inbuilt diplexers to simplify connection to feeder cables.

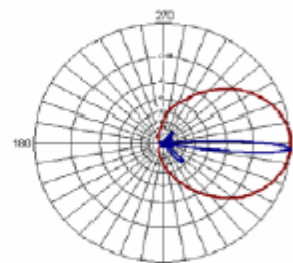
A number of models provide gain & fixed electrical downtilt to exactly suit the location. Superior circuit design coupled with advanced manufacturing techniques guarantee consistent product quality, with excellent intermodulation performance, product quality & performance.

### TECHNICAL SPECIFICATION

	GSM900	GSM1800
Frequency	870-960Mhz	1710-1880Mhz
Gain	16dBi	15.8dBi
VSWR	1.5:1 max	1.5:1 max
Horizontal Beamwidth	85°	85°
Vertical Beamwidth	8.6°	6.6°
Polarisation	+45° and -45°	+45° and -45°
Fixed Electrical Downtilt	4°	4°
Upper Sidelobe Suppression	>17dB	>13dB
Front-to-Back Ratio	>25dB	>25dB
Isolation Between Ports	>23dB	>23dB
Power Rating	200W	160W
Connectors	2 x 7/16 DIN female (Internally diplexed)	
Impedance	50Ω	50Ω
Lightning Protection	DC grounded	DC grounded
Dimensions (LxWxD)	2330 x 253 x 180 mm	-
Wind Loading	900N @ 45m/s	-
Operational Wind Speed	45m/s	-
Survival Wind Speed	56m/s	-
Weight (antenna only)	17.5kg	-
Temperature	-55° to +70°C	-
Bracket Size	To suit pole 48-115mm	-
Bracket Downtilt	0-10° in 2° steps	-



GSM900



RACAL ANTENNAS LTD

First Avenue, Millbrook Trading Estate, Southampton SO15 0LJ United Kingdom

Tel: +44 (0) 2380 705705, Fax: +44 (0) 2380 701122, email: sales@racalantennas.com, www.racalantennas.com

Racal reserve the right to vary in detail from the description and specification in this publication. Issue: 08/03

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