



**GSM900/1800 XP/60/16
MODEL 1659**

- DUAL-BAND, DUAL POLARISATION
- INBUILT DIPLEXER
- SIDELOBE SUPPRESSION

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.

Technical Specification

Frequency	870-960Mhz	1710-1880Mhz
Horizontal Beamwidth	60°	60°
Vertical Beamwidth	8°	8°
Gain	16.7	16
VSWR	1.4:1	1.4:1
Fixed electrical downtilt	4°	4°
Front-to-back ratio	>25dB	>25dB
Sidelobe suppression	>-18dB	>-18dB
Isolation between ports	>25dB	>25dB
Isolation between bands	>25dB	>25dB
Power rating	300 watts	200 watts
Connectors (bottom)	7/16 DIN F	7/16 DIN F
Dimensions	2330 x 330 x 181mm (depth)	-
Weight	21kg	-
Bracket tilt	± 6°	-
Wind loading	1115N @ 45m/s	-
Operational wind speed	45m/s	-
Survival wind speed	56m/s	-
Temperature	-55° to +70°C	-

