



**Dual Polarised Antenna**  
**Type: 1740**

- ❑ **MULTI-BAND 3G APPLICATIONS**
- ❑ **BROADBAND OPERATION 824-2200 Mhz**
- ❑ **TWO OUTPUT CONNECTORS**

The broadband design of this unit ensures coverage of the GSM, PCS & UMTS bands, and also others such as CDMA1900, PHS etc. Two output connectors are provided, allowing operators to split off the band required at the base station, thus considerably reducing cabling costs. The elements within the radome have fixed electrical downtilt for each band. The 1740 provides an ideal solution where there is no space for the addition of single-band UMTS antennas to existing sites.

## TECHNICAL SPECIFICATION

### MODEL 1740

Frequency	:	<b>GSM900</b>	<b>GSM1800</b>	<b>UMTS</b>
Horizontal Beamwidth	:	65°	60°	60°
Vertical Beamwidth	:	9.7°	5°	5°
Gain (dBi)	:	15	16	17
VSWR	:	1.4:1		
Fixed electrical downtilt options	:	0- 10°		
Sidelobe suppression	:	>-18 dB	>-16dB	>-16dB
Isolation between ports	:	>25dB	>30dB	>30dB
Front-to-back ratio	:	>25 dB		
Power handling	:	200 Watts		
Connectors	:	2 x 7/16" DIN F (socket at bottom)		
Dimensions	:	2330 mm x 253 mm x 180 mm		
Operational wind speed	:	45 m/s (160 Km/h)		
Survival wind speed	:	56 m/s (200 Km/h)		
Max wind loading (Front)	:	900 N @ 45m/s		
Weight	:	26 Kg		
Temperature Range	:	- 40°C to + 70°C		
Bracket downtilt	:	0-10°		

