

SINGLE BAND, DUAL POLARISED ANTENNA VARIABLE ELECTRICAL DOWNTILT UMTS XP/65/17/VET 2229

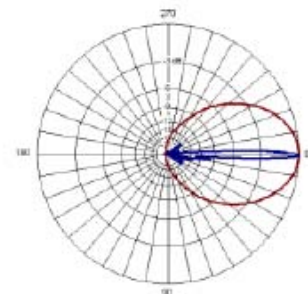
- ❑ SINGLE-BAND 3G APPLICATIONS
- ❑ LOW-PROFILE RADOME
- ❑ MAINTAINS ELEVATION BEAM SHAPE

The '3G Series' of panel antennas from Racal Antennas have been designed to easily facilitate the installation of Third Generation cellular infrastructure into new or existing networks. The introduction of variable electrical beam tilt in this version of the antenna provides excellent control of the elevation radiation pattern over the whole UMTS band. The tilt angle can be varied using a simple mechanical adjustment. A slimline radome reduces visual impact and provides an easily installed, robust enclosure. Two RF connectors are provided on the base of the unit.

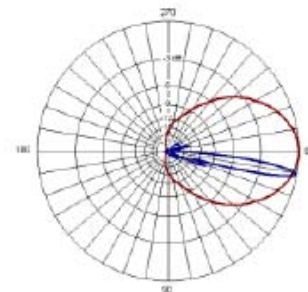


TECHNICAL SPECIFICATION

Frequency	1900-2170MHz
Gain	17dBi
VSWR	1.4:1 max
Horizontal Beamwidth	65°
Vertical Beamwidth	7°
Variable Electrical Downtilt	0° to 10°
Tilt Adjustment	Manual at base of antenna
Upper Sidelobe Suppression	18dB typical (16dB max)
Front-to-Back Ratio	>25dB (total power)
Isolation	30dB
Power Rating	160W
Connectors (bottom)	2 x 7/16" DIN female
Dimensions (LxWxD)	1330 x 162 x 73 mm
Wind Loading	350N @ 45m/s
Operational Wind Speed	45m/s
Survival Wind Speed	56m/s
Weight	6.5kg
Bracket Options	Mechanical tilt ± 10°



Minimum Tilt (0°)



Maximum Tilt (10°)