

ALCDB1F

DUAL BAND (GSM1800 & UMTS) SINGLE POLAR ANTENNA

ANTENNA FEATURES:

- Single Polarised.
- Indoor and outdoor use
- Durable, rugged sealed box
- Weather resilient. IP rating of 67
- Easy to install
- Paintable and blends in with the surroundings
- Input VSWR <1.4:1 Maximum
- Input impedance 50 Ohms



ANTENNA DESCRIPTION:

The ALCDB1F is a two port, dual band, single polarised antenna for indoor and outdoor use. The antenna is fitted with cables of *N-type* (female) connectors. This is optional and can be changed to customer requirements. This lightweight antenna can be easily mounted and blends in discretely with its surroundings. ALCDB1F has a nominal gain of 8dBi within the two bands. The box dimensions (cm) are: 18x13x3.75 (LxWxD)

ELECTRICAL SPECIFICATION:

Frequency	1700 - 1880 MHz 1900 – 2200 MHz
Gain	8.0 dBi
Polarization	Single
Input Impedance	50 Ohms
Input VSWR	< 1.5:1 Maximum
Intermodulation Products	< -150 dBc for 2 x 20W carrier
Input Connectors:-	N-Type (f) on 400mm cable tail.

Horizontal Radiation Pattern:

Azimuth beamwidth (3dB)	65° (±5°)
Pol. Azimuth Tracking	< ±1.5 dB over a 120° sector
Front to back ratio	<-18 dB at ±180°

Vertical Radiation Pattern:

Elevation Beamwidth	50° (± 2.0°)
Electrical Downtilt	0°
Elevation Sidelobe Suppression	None
Electrical Null Fill	None