

BTS PANEL ANTENNA

1800 MHz SINGLE BAND GSM ANTENNA

Model:KE1721X9016-DE10



Dual-Polarization Antenna, 1710-2170 MHz, 90° horizontal beamwidth, variable electrical tilt

- Field adjustable electrical tilt
- Rugged and reliable design
- Excellent passive intermodulation suppression

Electrical Specifications

Band Of Operation, MHz	1710 ~ 1880	1850 ~ 1990	1920 ~ 2170
Gain in dBi	15.8	16	16.2
HBW(degrees)	88	89	90
VBW(degrees)	8	7.5	6.5
Electrical Tilt (Degrees)	0 ~ 10	0 ~ 10	0 ~ 10
Polarization (Degrees)	± 45	± 45	± 45
Impedance (Ohms)	50	50	50
1st Null Fill dB	> -25	> -25	> -25
VSWR	< 1.5	< 1.5	< 1.5
Intermodulation IM3(@2x43 dbm)	< - 107	< - 107	< - 107
Side Lobe Suppression; dB (First sidelobe above horizon)	0°→≥15	0°→≥15	0°→≥15
	5°→≥14	5°→≥14	5°→≥14
	10°→≥13	10°→≥13	10°→≥13
Cross Polar Discrimination,dB	> 15	> 15	> 15
Front-to-Back Ratio;dB	>25	>25	>25
Isolation Between Ports,dB	>28	>28	>28
Max. Input Power (Watts)	200	200	200

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Mechanical Specifications	
Dimensions (L x W x H in mm)	1360X195X 95
Weight(Kgs):	
Antenna	12
Bracket	5
Radome Material	ABS Plastic
Connector Type	7/16 DIN female
Connector Position	Bottom
No. of connectors	2
Operating Temperature(°C)	- 40 ° to + 60 °
Rated Wind Speed(Km/Hr)	200
Lightening Protection	Direct ground