

High Gain All-Band Cellular Antenna

824 - 1000 MHz and 1700 - 2170 MHz

Product code: LPDA-A0021



This high gain wideband directional antenna covers the GSM 900 and GSM1800 / UMTS bands. Its configuration is suitable for various cellular telephone systems.

Features:

- Broadband.
- Covers various international cellular bands.
- Robust and weatherproof

Application areas:

This antenna provides communications capabilities for the following:

Standard		Frequency (MHz)
TACS	Europe and Asia only	871 - 949
TDMA/CDMA/AMPS		824 - 894
SM "GSM 900"		870- 960
PDC Japan only		810 - 956
EGSM		806 - 869
GSM 1800 / PCS/ PCN		1710 - 1880
DECT		1880 - 1900
PHS	Japan, Taiwan and China only	1895 - 1918
GSM "GSM1900"	USA and Canada only	1850 - 1990
UMTS		1900 - 2170

Specifications:

Product Code:

LPDA-A0021	50 cm HDF195 with SMA(m) connector
LPDA-A0021-01	7 m HDF195 with SMA(m) connector
LPDA-A0021-02	50 cm HDF195 with N(f) connector
LPDA-A0021-03	7m HDF195 with N(f) connector
LPDA-A0021-04	13.5 m HDF195 with SMA(m) connector

Electrical:

Gain (max)	11 dBi (± 0.5 dB)
Gain (min over band)	10.5 dBi (± 0.5 dB)
Frequency Band	824 - 1000 and 1700 - 2170 MHz
VSWR	< 2.5:1
Front to Back Ratio (F/B Ratio)	> 20 dB (nominal)
Feed power handling	10 W
Input impedance	50 Ohm (nominal)
Polarisation	Vertical

Mechanical:

Mounting Pole or wall mount

Typical Antenna Measurements

