

LTE/GSM/3G Omni-Directional PUCK Antenna

795-2700 MHz



The PUCK antenna is a low gain omni-directional antenna developed for the GSM/3G/UMTS/LTE band and is ideal for a wide range of applications including low profile indoor coverage and capacity enhancement solutions. This antenna is provided with a 0.5m cable terminated in a SMA(m) connector.

Features:

- Low Profile
- Wide band performance
- Ground Plane independent
- DC Short Antenna
- Waterproof
- Easy installation

Application:

- In-building ceiling mount
- Vehicular mounting applications
- Power meters

COMM-CO
Communication today and tomorrow

WHERE DO YOU USE THIS?

LTE

3G

GSM

WIMAX

WIFI

GPRS

EDGE

HSPA

CDMA2000

EVDO

ELECTRICAL:

Frequency in MHz:	795-2700
Gain (max):	3.5 dBi
Gain (min over the band):	2.2 dBi
VSWR:	< 2.5:1 over 90% of the band
Feed Power Handling:	10 W
E-Plane 3 dB Beamwidth:	70° (± 5°)
H-Plane 3 dB Beamwidth:	360°
Nominal Input Impedance:	50 Ohm
Polarisation:	Linear vertical

MECHANICAL:

Dimensions (L x W x D):	102 x 32mm (circular)
Packaged Weight:	171 g

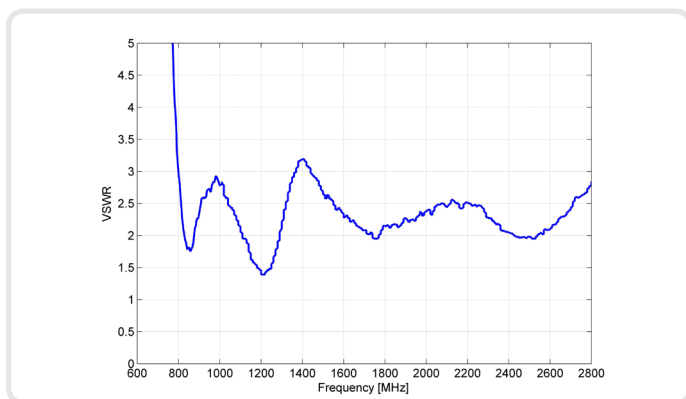
ENVIRONMENTAL:

Wind Survival:	160 km/h
Temperature Range (Operating):	- 40° C to +85° C
Thermal Shock:	-20° C to +70° C : 10 cycles
Water Ingress Rating:	IP65 (NEMA 4X)
Shock:	40G at 10 msec

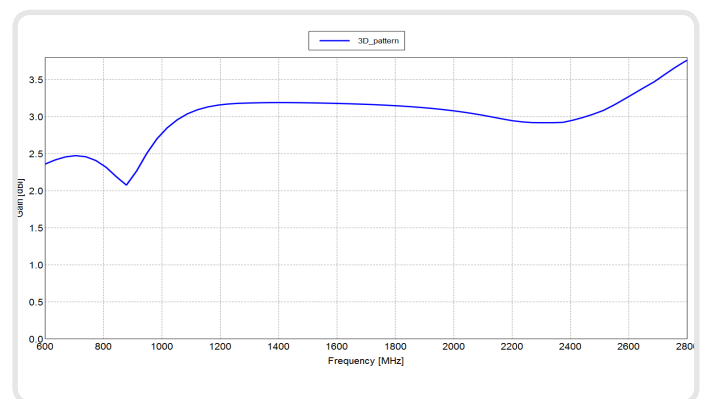
INCLUDED WITH PRODUCT:

Mounting Bracket:	M 18 threaded spigot with M18 nut
Cable Length:	0.5 m RG 174
Connector:	SMA(m)

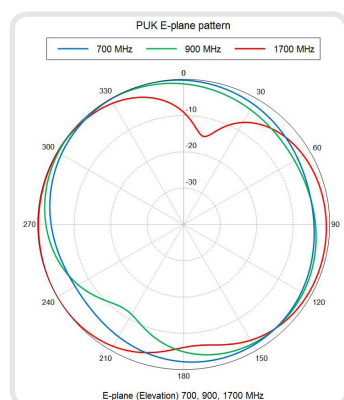
PLOTS:



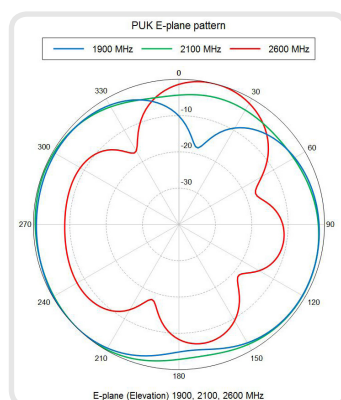
VSWR



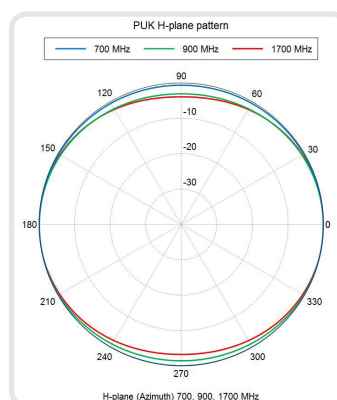
Gain



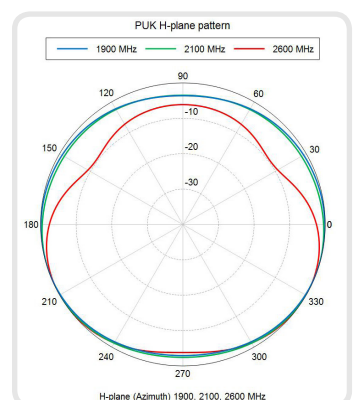
E-plane (Elevation)
700, 900, 1700 MHz



E-plane (Elevation)
1900, 2100, 2600 MHz



H-plane (Azimuth)
700, 900, 1700 MHz



H-plane (Azimuth)
1900, 2100, 2600 MHz