



Echo 36

2G/3G/4G and WiFi Embedded FPC Antenna



Key Features

- Wide Bandwidth Antenna
- Peak Gain 3dBi
- Designed for embedded applications

General Description

The Echo 36 is an embedded wideband FPC antenna with a good peak gain performance.

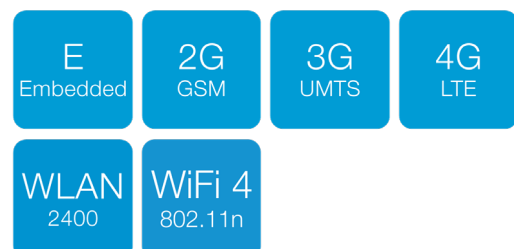
The wideband allows for a migration plan from one technology to another; 2G to 3G to 4G, or simply the choice to select a technology depending on usage.

Additionally this antenna is also suitable for WiFi connection using the 2400MHz band.

Typically supplied with a uFL/ IPEX connector and a short tail of cable. Alternative cable lengths and connectors can be supplied for volume requirements.

Additional Considerations

- Small format design for applications with limited space
- Meets all EU compliance criteria for electronic goods
- Flexible ultra thin circuit board
- Mount on plastic surface for best performance





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Key Specifications - Electrical

Temperature range:	-30° to +75°C
Peak Gain:	3 dBi
VSWR:	<3.0:1
Impedance:	50 Ohms
Frequency Bands:	698 - 960 MHz 1710 - 2700 MHz
Polarization:	Linear

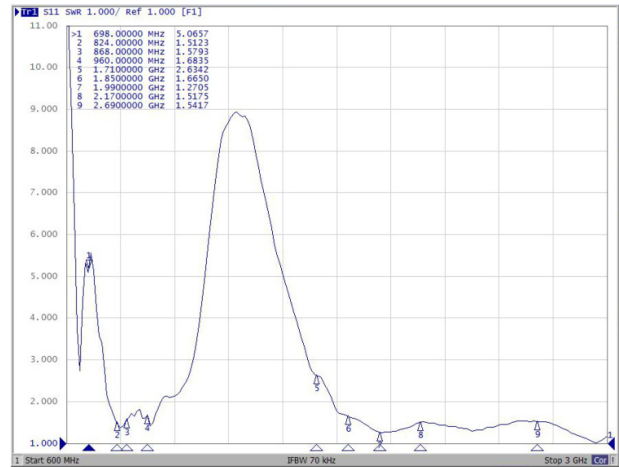
Key Specifications - Mechanical

Dimensions:	110mm x 21mm x 0.2mm (without cable and connector)
Cable:	100mm x 1.13mm coax
Connector:	UFL/IPEX
Mounting method:	Designed for embedded use

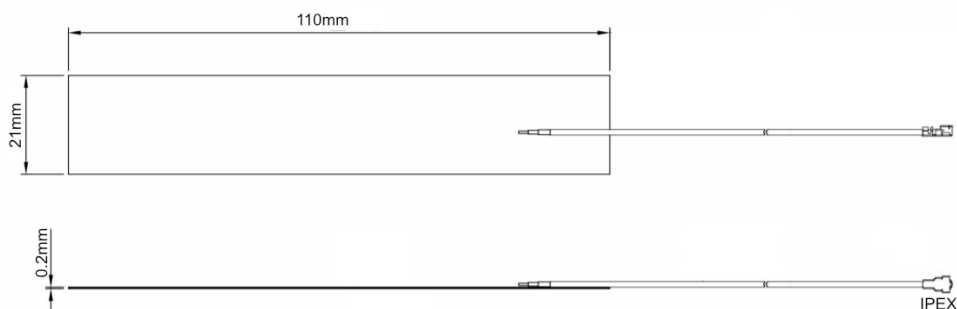
Return Loss



VSWR



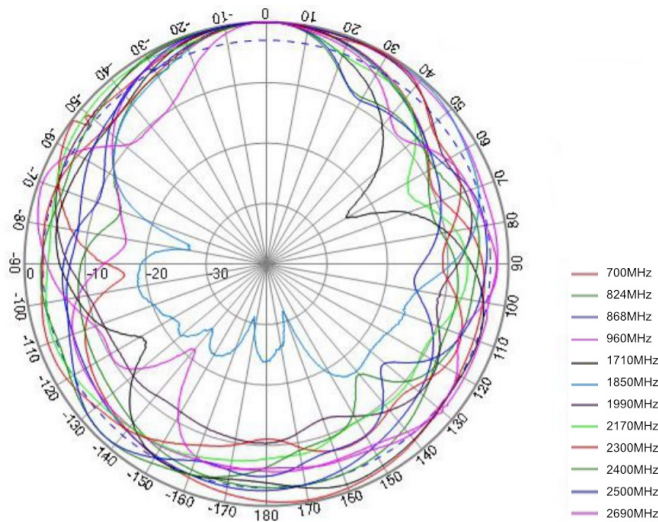
Drawing



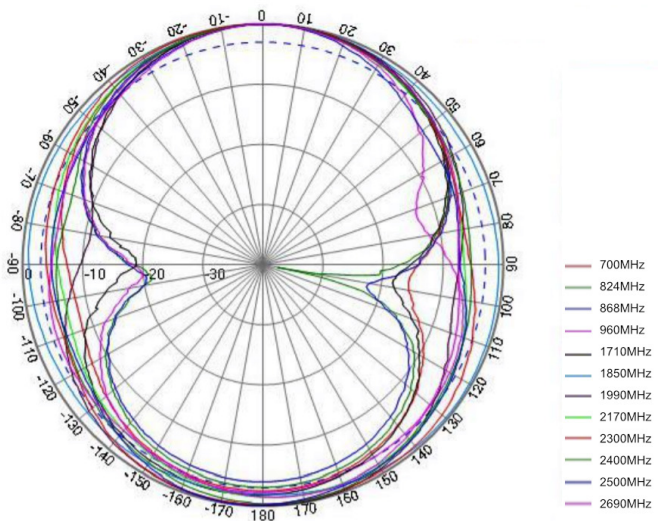


Radiation Plots

Horizontal Plane



Vertical Plane



Ordering Details

Part Number	Description
ECHO36/0.1M/IPEX/S/S/26	2G/3G/4G and WiFi Embedded FPC Antenna UFL/IPEX Connector 100mm Coax