



Echo 30

T-Shaped Embedded 2G & 3G PCB Antenna

Key Features

- Dipole design
- Quad band GSM & 3G
- 2dBi Peak Gain



General Description

The Echo 30 is a quad band 2G & 3G tuned dipole PCB antenna that does not rely upon a ground plane for half of the waveform. The design is easily integrated into projects with the small size and simplicity of placement.

The wide frequency band allows for worldwide cellular applications over the quad band 2G/GPRS networks and also high data transfer rates via 3G/UMTS.

Supplied as standard with a short length of cable and an IPEX/uFL connector. Alternative cable lengths and connectors may be specified for volume orders.

Additional Considerations

- Small footprint
- Ground plane independent
- Meets all EU compliance criteria for electronic goods





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Electrical Specifications

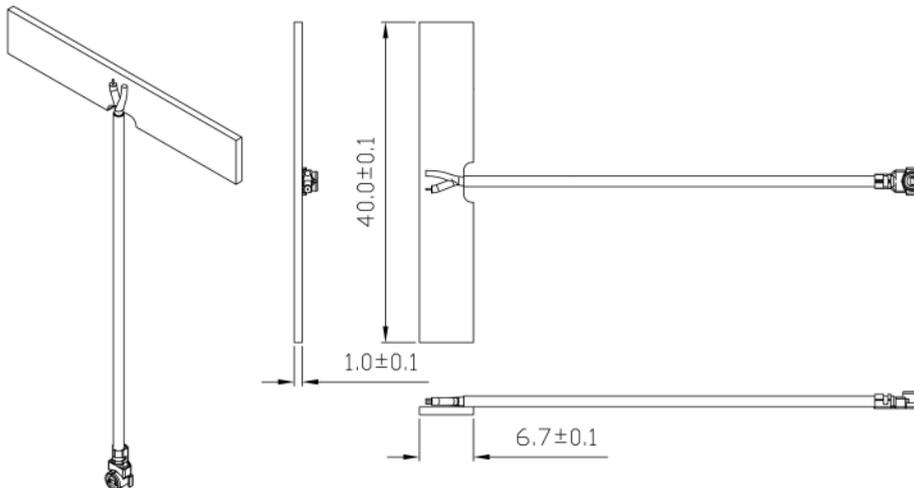
Impedance:	50 Ohm
Peak Gain:	2dBi
Frequency Range:	824 ~ 960MHz 1920 - 2170MHz
Polarization:	Linear

Mechanical Specifications

Dimensions:	L40 x W6.7 x H1.0mm
Cable:	1.13mm Coax
Connector:	IPEX
Mounting Method:	Adhesive

Environmental Specifications

Operating Temperature:	-40 - +85°C
Relative humidity:	Up to 95%





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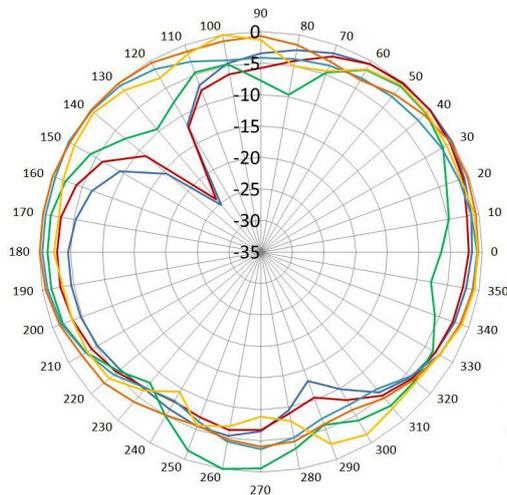
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VSWR

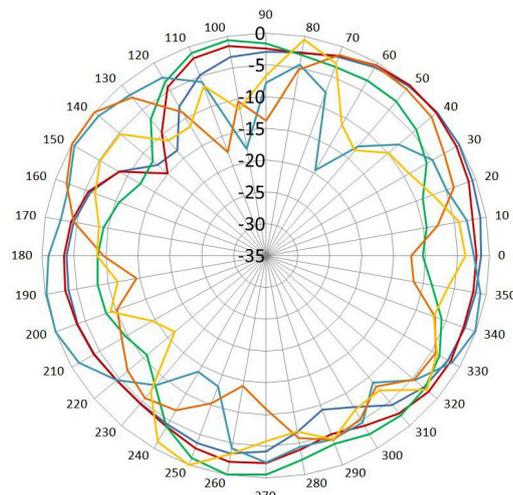


Radiation Pattern

Horizontal Plane



Vertical Plane



- 824MHz
- 880MHz
- 960MHz
- 1920MHz
- 1990MHz
- 2170MHz

Ordering Details:

Part number	Description
ECHO30/0.1M/IPEX/S/S/26	T-Shaped Embedded 2G & 3G PCB Antenna