Echo 17
2.4GHz PCB Antenna

Key Features
- Compact size
- 2.4 - 2.5GHz operation
- Price competitive
- 45mm x 10mm PCB

General Description
The Echo 17 2.4GHz PCB antenna is specifically aimed at the volume embedded WiFi, Bluetooth or ZigBee market.

The Echo 17 doesn’t come with an adhesive pad but is easily glued in place with hot melt.

The Echo 17 is a competent performer in our tests and is well built and at a competitive price for volumes customers.

Additional Considerations
- 45mm x 10mm allows easy integration into small devices
- Specifically tuned to provide optimal performance for 2.4 - 2.5GHz frequency band

Rev 1.1
**Key Specifications - Electrical**

- Operating temperature range: -20 to +60°C
- Impedance: 50 ohm
- Gain: 2.6dBi
- VSWR: 2.0:1
- Voltage and supply current: Passive
- Operating frequency: 2.4 - 2.5GHz
- Polarization: Vertical
- Radiating element and wave: ¼ wave dipole

**Key Specifications - Mechanical**

- Dimensions: 45mm x 10mm (without cable)
- Cable: 100mm x 1.13mm coax
- Connector: Ipex (UFL compatible)

**Test Reports**

- **Return Loss**

![Return Loss Graph]

- **VSWR**

![VSWR Graph]
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Ordering Details

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>ECHO17/0.1M/IPEX/S/S/15</td>
<td>2.4GHz PCB Antenna, 100mm Cable, IPEX Connector</td>
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