

## Echo 18

2.4GHz PCB Antenna



#### **Key Features**

- Compact size
- 2.4 2.5GHz operation
- Price competitive
- 37mm x 6mm PCB

#### **General Description**

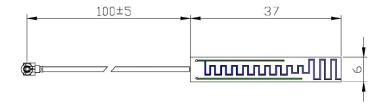
The Echo 18 2.4GHz PCB antenna is specifically aimed at the volume embedded WiFi, Bluetooth or ZigBee market.

The Echo 18 doesn't come with an adhesive pad but is easily glued in place with hot melt.

The Echo 18 is a competant performer in our tests and is well built and at a competitive price for volumes customers.

#### **Additional Considerations**

- 37mm x 6mmmm allows easy integration into small devices
- Specifically tuned to provide optimal performance for 2.4 -2.5GHz frequency band





# Echo 18

2.4GHz PCB Antenna

## **Key Specifications - Electrical**

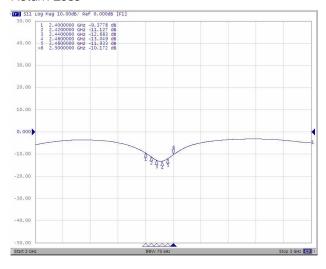
| Operating temperature range: | -20 to +60°C    |
|------------------------------|-----------------|
| Impedance:                   | 50 ohm          |
| Gain:                        | 2.6dBi          |
| VSWR:                        | 2.0:1           |
| Voltage and supply current:  | Passive         |
| Operating frequency:         | 2.4 - 2.5GHz    |
| Polarization:                | Vertical        |
| Radiating element and wave:  | 1/4 wave dipole |

## **Key Specifications - Mechanical**

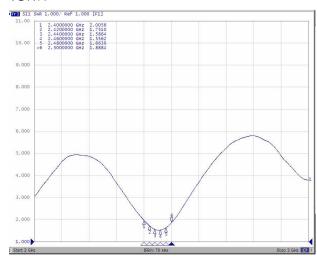
| Dimensions: | 37mm x 6mm (without cable) |
|-------------|----------------------------|
| Cable:      | 100mm x 1.13mm coax        |
| Connector:  | UFL                        |

### **Test Reports**

Return Loss



#### **VSWR**



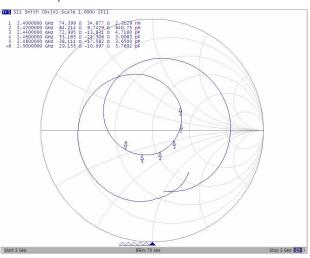
fax



# Echo 18

2.4GHz PCB Antenna

#### Smith Graph



# **Ordering Details**

| Part Number            | Description                                    |
|------------------------|--|
| ECHO18/0.1M/UFL/S/S/15 | 2.4GHz PCB Antenna, 100mm Cable, UFL Connector |

sales

fax

email

web