Dual Linear Polarised Sinuous Antenna

0.5 to 3 GHz

Catalogue number: QSI-DL-0.5-3-S-SG-R
Q-par reference: QMS-00360
Contents:
- Summary
- Typical Gain
- Typical Beamwidth / Patterns
- VSWR
- Isolation - between connectors
Typical Specification

- **Frequency**: 0.5 to 3 GHz
- **Connector type**: 2 x SMA type jack
- **Power Handling**: 2 Watt c.w.
- **VSWR**: <4.4:1, 2:1 average
- **Gain**: -0.7 to 6 dBi
- **3dB Beamwidth**: 56 to 96 degrees
- **6dB Beamwidth**: 91 to 135 degrees
- **Weight**: 2.06 kg nominal
- **Size- max.**: 290 mm diameter x 185 mm long (inc. connectors)
- **Mounting**: 12 x M4 tapped holes, 117.5 mm p.c.d.
- **Construction**: Aluminium and engineering plastics. Painted.

Typical Antenna Gain

This is calculated by reference to standard gain horn antennas, and cross checked with reference to the antenna beamwidth, with an estimated error of +/- 0.8dB.
Typical 3 dB Slant Polar Azimuth Beamwidth

- Connector A1
- Connector A2

Degrees

Frequency (GHz)

0.5 GHz

1.0 GHz

2.0 GHz

2.5 GHz

3.0 GHz

Typical 6 dB Slant Polar Azimuth Beamwidth

- Connector A1
- Connector A2

Degrees

Frequency (GHz)

* Red trace = Connector 1, Blue trace = Connector 2 - Using slant polarised linear source antenna