

2.4GHz WLAN ANTENNA SPECIFICATION

Part No: 21-62133

. Standard Specification

| ITEM | | SPECIFICATION |
|---------------------------------|------------------|----------------|
| 1 | TYPE | Folded Dipole |
| 2 | Part No. | 21-62133 |
| 3 | FREQUENCY | 2400 - 2500MHz |
| 4 | IMPEDANCE | 50. |
| 5 | VSWR | <2:1 |
| 6 | GAIN | +1dBi |
| 7 | RADIATION | E-Plane |
| 8 | FRONT/BACK RATIO | N/A |
| 9 | RF CONNECTOR | GSC |
| R E M A R K S | | |

Cable Assembly

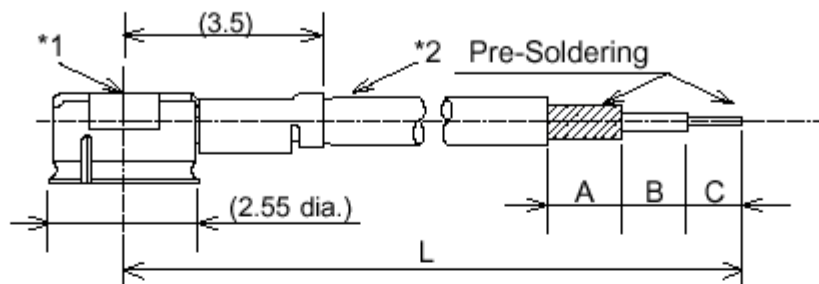


Part Number : MXTK92XX1420A2

Date 01 /Apr./2003

SPECIFICATION

1. Mechanical



*1. Connector: GSC right angle plug connector Scale: Free

*2. Cable Unit: mm

| L | A | B | C |
|-----------|-------------|-------------|-------------|
| 142 +/- 4 | 4.7 +/- 0.5 | 4.2 +/- 0.5 | 5.7 +/- 0.5 |

2. Cable :

| Item | Specification |
|-----------------------------|------------------------------|
| 2.1 Voltage Rating | 250V r.m.s. maximum |
| 2.2 Nominal Frequency Range | DC to 6GHz |
| 2.3 Nominal Impedance | 50Ω |
| 2.4 Temperature Rating | -40°C to +90°C |
| 2.5 Used Cable | 0.4D Single shield PFA cable |

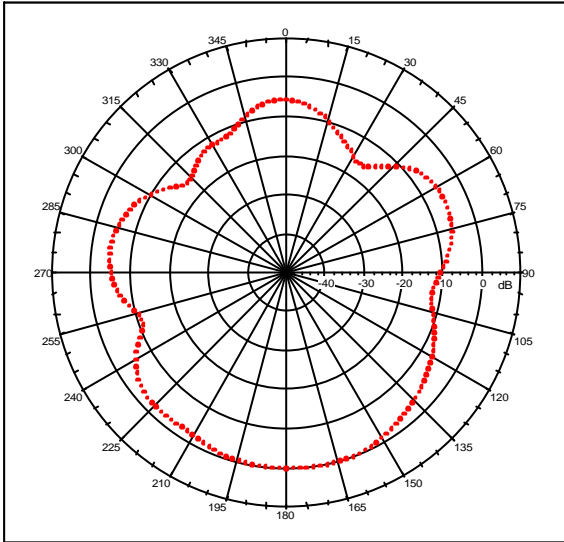
| Item | Unit | Construction |
|------------------------|--------------------|--------------|
| Inner conductor | Material | - |
| | No. and Dia. | (No./mm) |
| | Total Dia. | (mm) |
| Insulator | Material | - |
| | Total Dia. | (mm) |
| Outer conductor | Material | - |
| | Dia. of wire | (mm) |
| Sheath | Material | - |
| | Nominal thickness. | (mm) |
| Overall Dia. | (mm) | |
| Minimum Bending Radius | (mm) | |
| Nominal Insertion loss | dB/m at 1GHz | |
| | dB/m at 2GHz | |
| | dB/m at 3GHz | |
| | dB/m at 4GHz | |
| | dB/m at 6GHz | |

3. Note

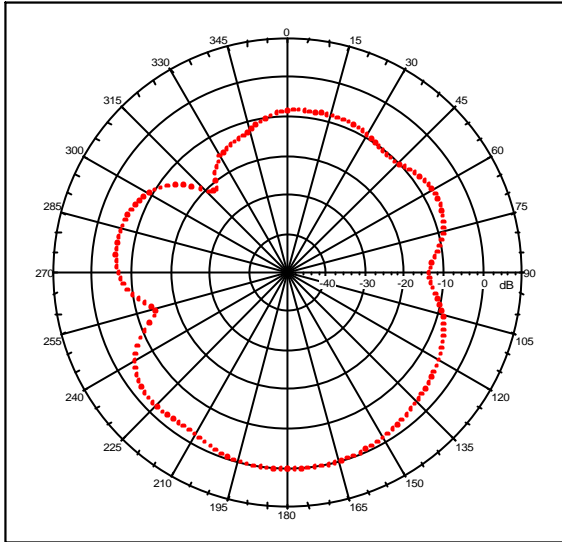
Use tool P/N M22001. The connector to be engaged and disengaged should be inserted or pulled out to the vertical direction.

Polar Plots

2.4GHz



2.44GHz



2.485GHz

