

DESCRIPTION : Swivel Access Point Antenna

MODEL NO : RFA-02-C2H1-06-50

1.1 ELECTRICAL

Frequency Range: 2400~2500 MHZ

Gain: 2.0dBi (min.)

VSWR: 2

Polarization: Linear, Vertical

Impedance : 50

Connector: IPEX MHF

Cable: 1.13mm

1.2 MECHANICAL

Condition : Non operating during test.

Material : PCABS(UL94V-0)

Endurance

Number of 90° rotation of the connector : 1000 cycles (min.)

Mandatory : Guaranty of functionalities after test.

Bending: Number of 90° at the hinge parts and bending on one direction with 1 kg force : 1000 cycles

Mandatory : No mechanical damage tolerated. Guaranty of functionalities after test.

Antenna resistance

Tests are applicable to all parts and both sides.

Traction: Traction force applied 3 times on plugs during 15 second : 5 kg

Mandatory : No mechanical damage tolerated. Guaranty of functionalities after test.

1.3 ENVIROMENTAL

Storage

Condition : Non operating during test.

Cold: -40 during 72h (IEC 68-2-1 standard Ab/Ad test)

Dry heat: +80 during 96h (IEC 68-2-2 standard Bb/Bd test)

Humidity: +40 at 95%R.H. during 4 days (IEC 68-2-56 standard Cb test)

Mandatory : No mechanical or visible damage tolerated. Guaranty of functionalities after test.

Operation

Condition : Operating during test.

Cold: -10 during 48h (IEC 68-2-1 standard Ab/Ad test)

Dry heat: +55 during 48h (IEC 68-2-2 standard Bb/Bd test)

Composite: -10 to +55 95%R.H 4 cycles (IEC 68-2-30 standard Nb test)

Mandatory : No mechanical or visible damage tolerated. Guaranty of functionalities during and after test.