

**Features:**

- 617-960 / 1430-7125 MHz
- Gain 0.9 / 3.8 dBi
- Efficiency 58 / 70 %
- Length 223mm (straight)
- IP 65
- Connector SMA Male

Applications:

- 5G FR1
- 2G/3G/4G compatible
- WiFi 6E 7GHz supported
- Access points
- Routers, Gateways
- IoT, Nb-IoT, LTE CAT-M1

All dimensions are in mm / inches

Issue: 2047

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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ELECTRICAL SPECIFICATIONS

| | |
|---------------------------|----------------------|
| Frequency | 617-960/1430-7125MHz |
| Nominal Impedance | 50 Ω |
| Return Loss | <-6 |
| Radiation Pattern | Omni |
| Gain(617-960MHz) | 0.9dBi+/-1dB |
| Gain(1430-7125MHz) | 3.8dBi+/-2dB |
| Efficiency (617-960MHz) | 58% |
| Efficiency (1430-7125MHz) | 70% |
| Polarization | Vertical |
| Power Withstanding | 3W |

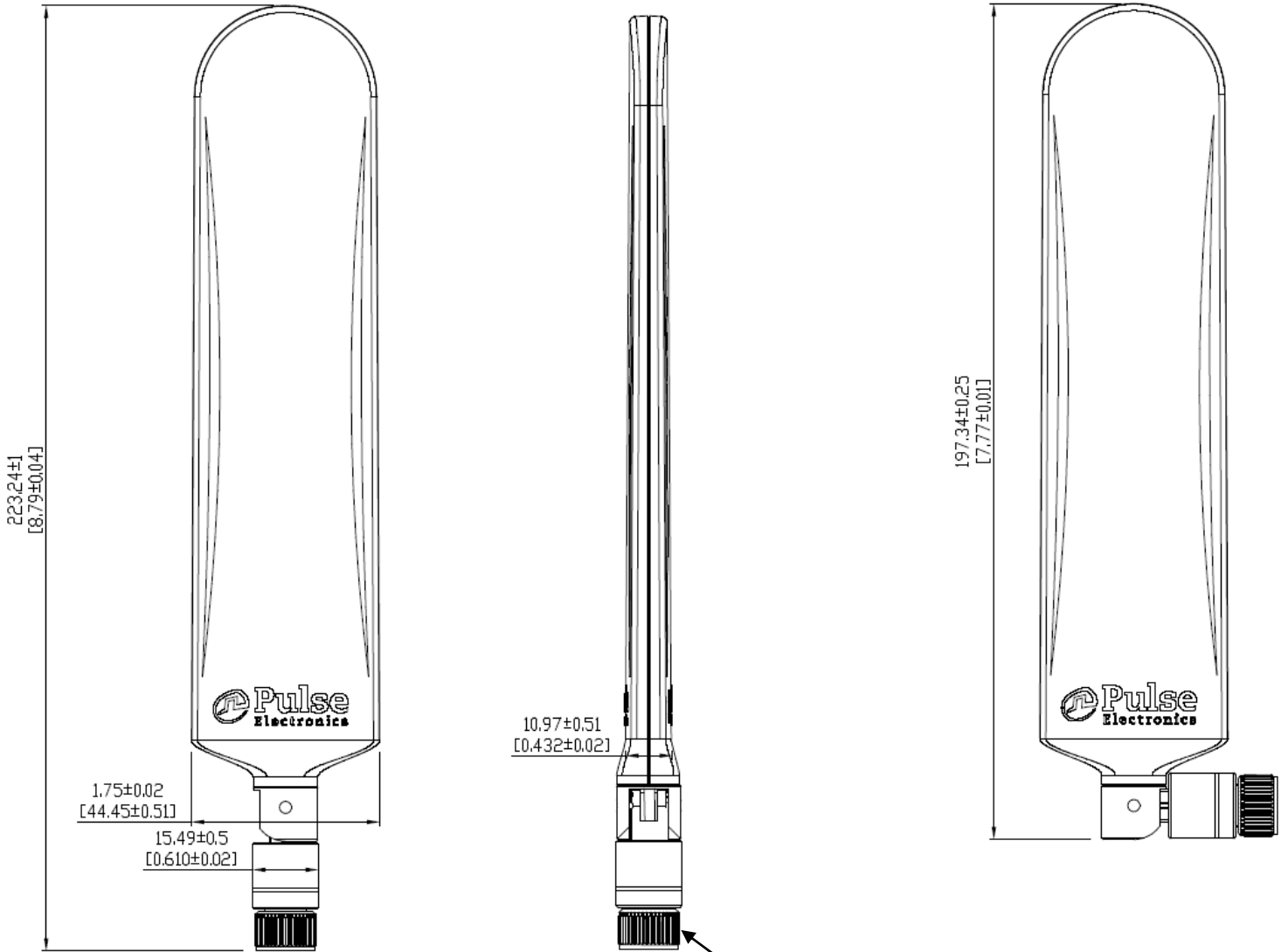
MECHANICAL SPECIFICATIONS

| | |
|--------------------|--------------------------|
| Plastic radome | ABS/PC |
| Color | Black |
| Connector type | SMA Male |
| Flammability | UL94-V0 |
| Ingress Protection | IP65 |
| Weight | 56.8 g |
| Overall Length | 223.24[8.79] mm [INCHES] |
| Position | 0°, 45° & 90° |

ENVIRONMENTAL SPECIFICATIONS

| | |
|---------------------------------|---|
| Operating temperature range | -40/+85 °C |
| Non-operating temperature range | -40/+85 °C |
| Temperature Shock | 3 CYCLES, -25°C TO +70°C AT 5°PER MIN |
| Humidity | Mil-Std-810 Method 507.3, Procedure III 5 cycles @ 95% RH |
| Vibration | 5-500 Hz FREQ, MIL STD 810 G section 514.4 |
| Mechanical Shocks | 4.78 m/s |
| Drop test | 1 meter, 10 times to tile |

MECHANICAL DRAWING



SMA Male Connector
Rotation Friction: 400-1200 gf·cm

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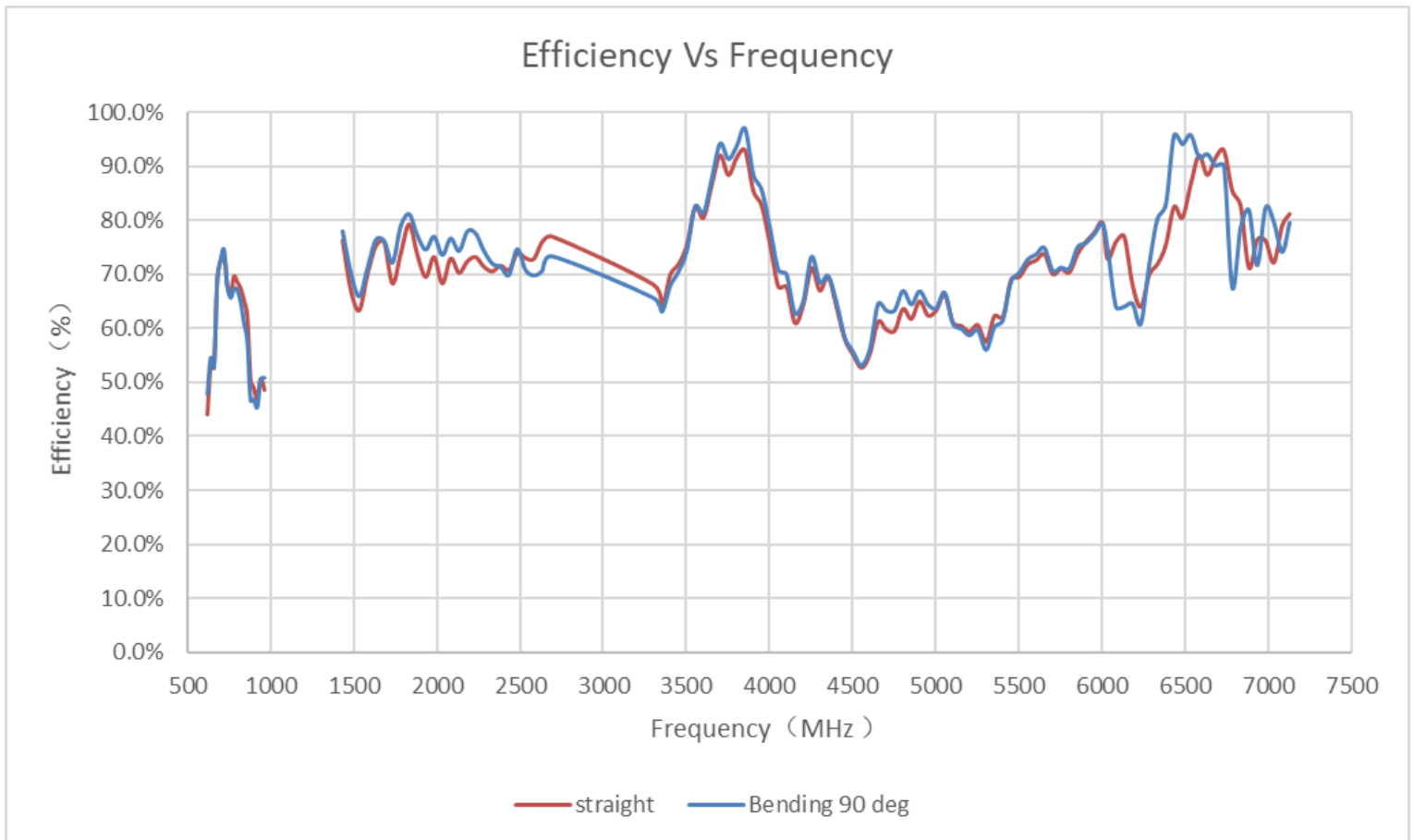
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TEST SETUP



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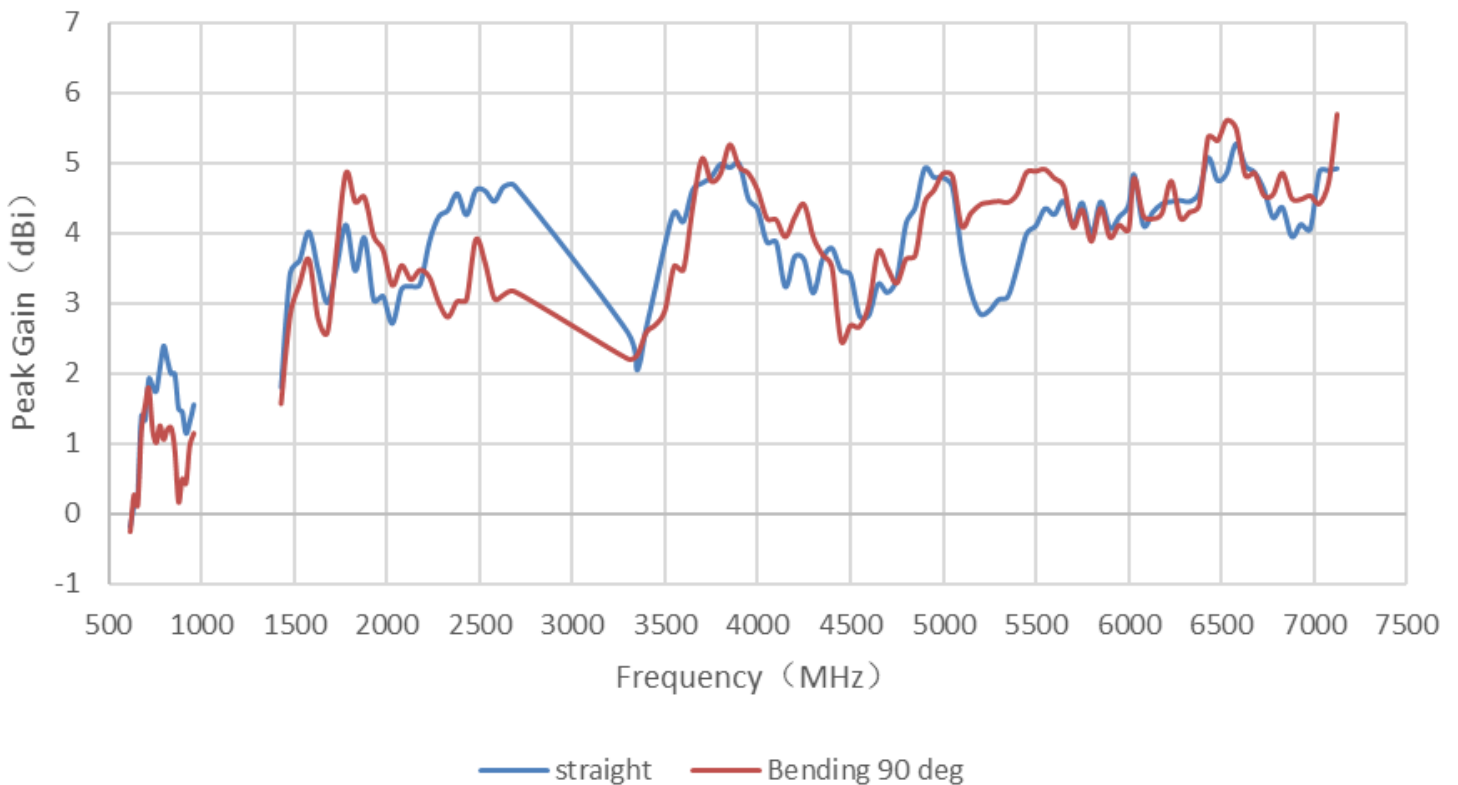
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TEST SETUP

Peak Gain Vs Frequency



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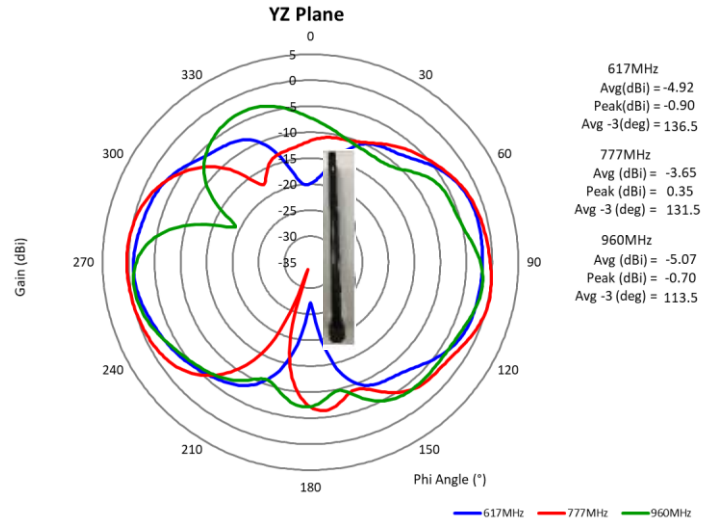
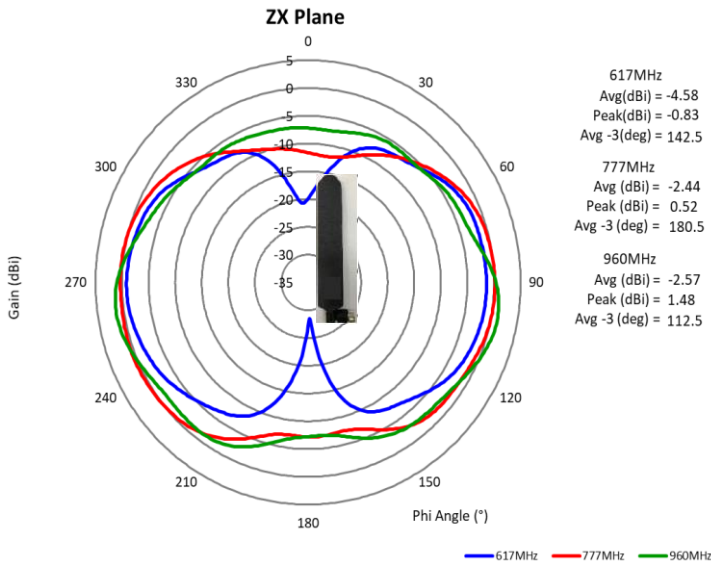
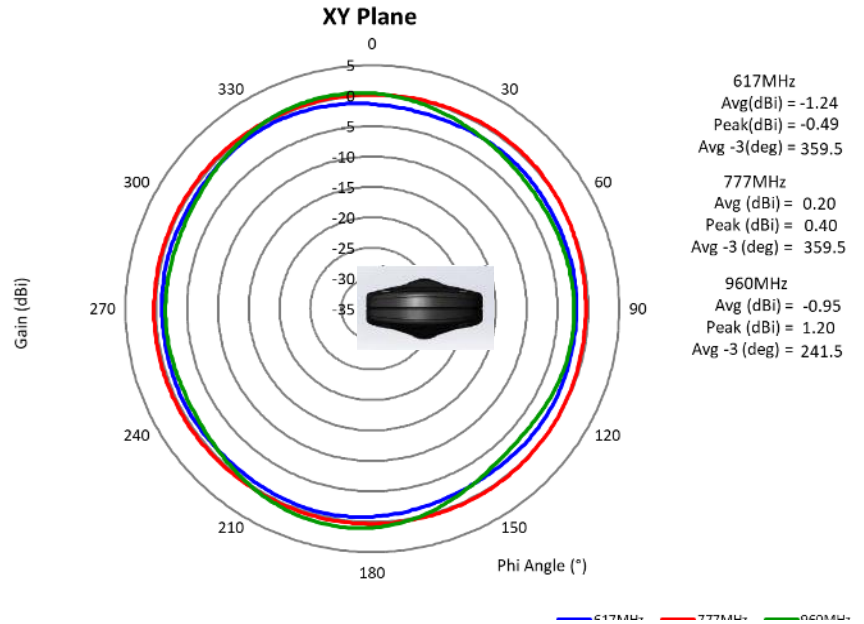
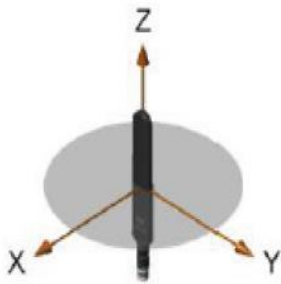
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CHARTS



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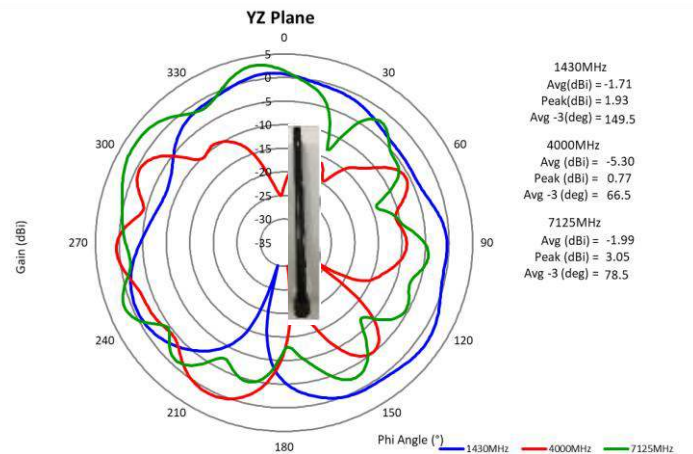
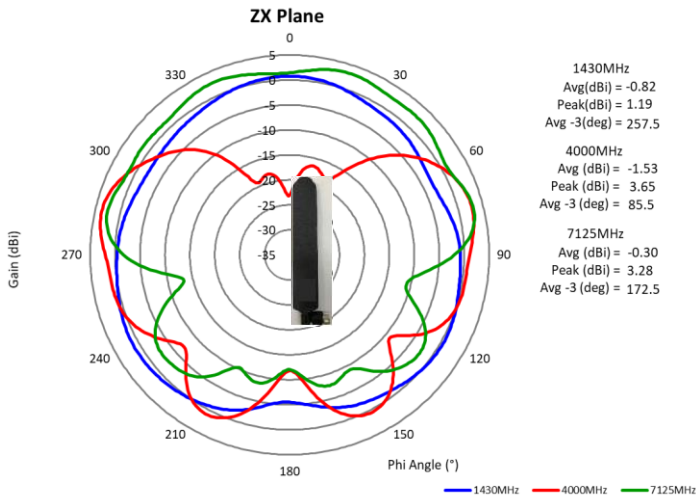
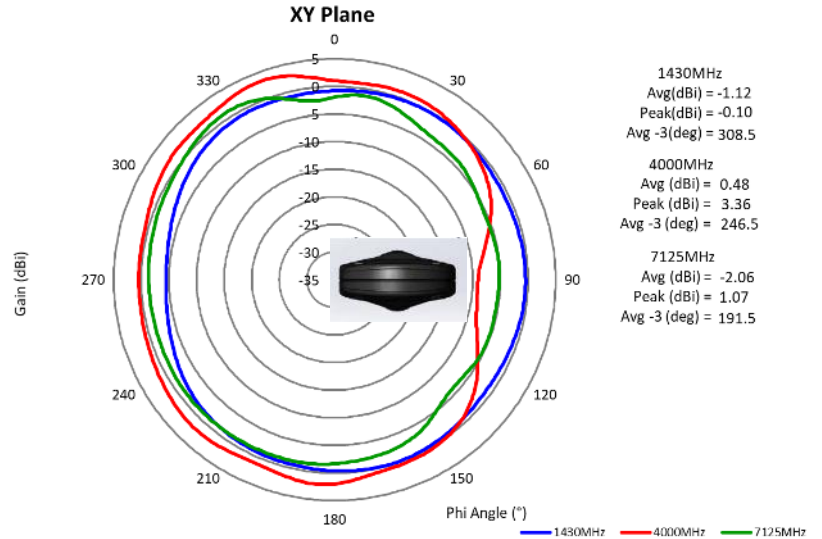
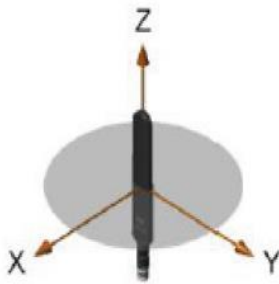
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a YAGEO company

Series: Blade Antenna

TECHNICAL DATA SHEET

Description: 5G FR1 617-7125MHz SWIVEL
MOUNT DIPOLE

PART NUMBER: W5151

PACKAGING

1PCS/PE bag

100PCS/Carton box

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