Multiband Antenna Module

APAMSTJ-138

RoHS/RoHS II compliant Lead in copper alloy exemption (6c); and Lead in glass exemption (7c-I)



MSL level: Not Applicable

FEATURES:

- Passive multiband antenna (380MHz ~ 2400MHz)
- Covering TETRA + ISM + Quad Band Cellular + 3G + WiFi
- Glass mount design (6.7mm x 126.5mm x 22mm)
- FME Female connector
- Gain (2.2dBi) Typ
- VSWR 2:1 (Cell), 3:1 (TETRA)
- 25W Power handling
- 10K Ohm Termination resistor for checking connection
- Easy to install (adhesive tape base)
- RoHS/RoHS II compliant
- 2J Technology

▼ TYPICAL APPLICATIONS:

- TETRA Public Safety
- ISM (868MHz)
- AMPS
- GSM
- Vehicle Cellular and 3G / WiFi Routers
- WiFi/Bluetooth
- · Mobile broadband

> STANDARD SPECIFICATIONS:

| Parameters | Min. | Тур. | Max. | Units | Note |
|-----------------------|------|--------|------|-------|----------------|
| Receiving Frequency | 380 | | 500 | MHz | TETRA |
| | 824 | | 894 | MHz | AMPS |
| | | 868 | | | ISM |
| | | 900 | | MHz | GSM |
| | | 1800 | | MHz | DCS |
| | | 1900 | | MHz | PCS |
| | | 2.1 | | GHz | 3G/UMTS |
| | | 2.4 | | GHz | WIFI/BLUETOOTH |
| VSWR | | | 3:1 | | @TETRA |
| | | | 2:1 | | @CELL |
| Polarization Model | | Linear | | | |
| Impedance | | 50 | | Ω | |
| Gain | | 2.2 | | dBi | |
| Operating Temperature | -40 | | +85 | °C | |
| Diagnostic Resistor | 9.5 | 10 | 10.5 | kΩ | |





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Multiband Antenna Module

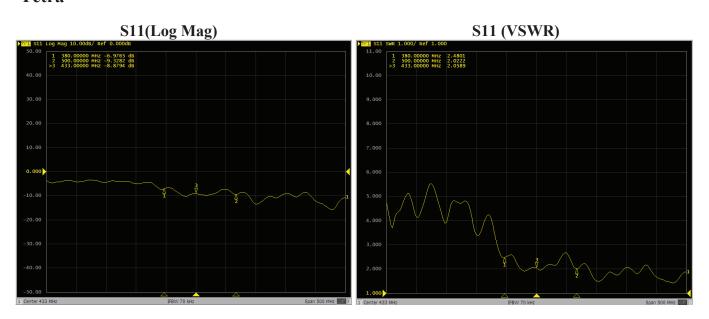
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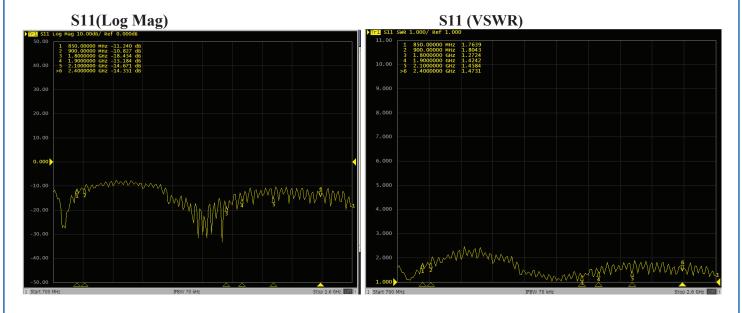


ANTENNA MATCHING S11 CHARACTERISTICS

Tetra



Quad Band + WiFi







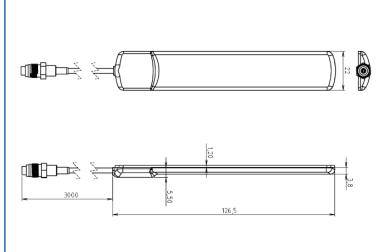
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OUTLINE DRAWING:



| Parameter | Description |
|--------------|-------------|
| RF Connector | FME Female |
| Weight | 55 g |
| Cable Type | RG174U |
| Cable Length | 3m |
| Material | ABS |
| Color | Black |

Unit: mm

PACKAGING:

Each antenna is packed in an individual poly bag. 200 pieces antenna in 465x310x250mm box is the suggested quantity.



CAUTION:

- (1) Do not apply excess mechanical stress to the component body or terminations. Do not attempt to re-form or bend the components as this will cause damage to the component.
- (2) Do not expose the component to open flame.
- (3) This specification applies to the functionality of the component as a single unit. Please insure the component is thoroughly evaluated in the application circuit.

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