

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# Multiband Antenna Module

**APAMSTJ-138**

RoHS/RoHS II compliant

Lead in copper alloy exemption (6c); and Lead in glass exemption (7c-I)



126.5 x 22.0 x 6.7mm

**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)
- SMA Male 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

## ► TYPICAL APPLICATIONS:

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

## ► STANDARD SPECIFICATIONS:

Parameters	Min.	Typ.	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
VSWR			2.4	GHz	WIFI/BLUETOOTH
			3:1		@TETRA
Polarization Model			2:1		@CELL
Impedance		50		Ω	
Gain		2.2		dBi	
Operating Temperature	-40		+85	°C	
Diagnostic Resistor	9.5	10	10.5	kΩ	

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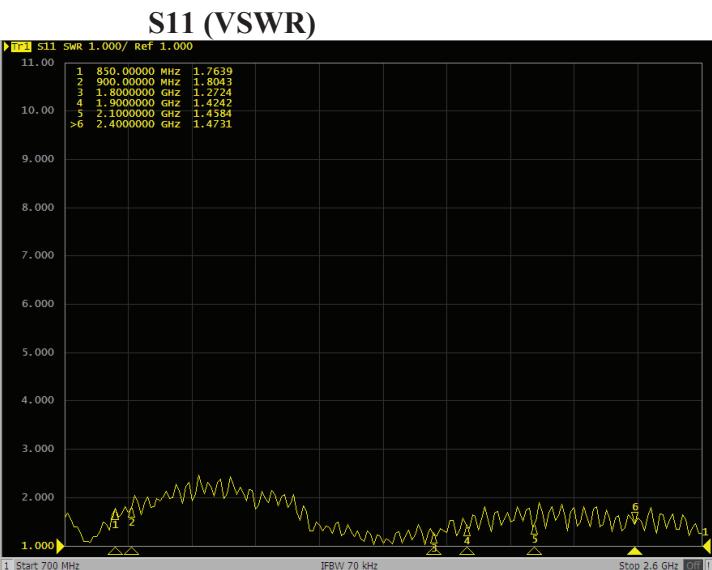
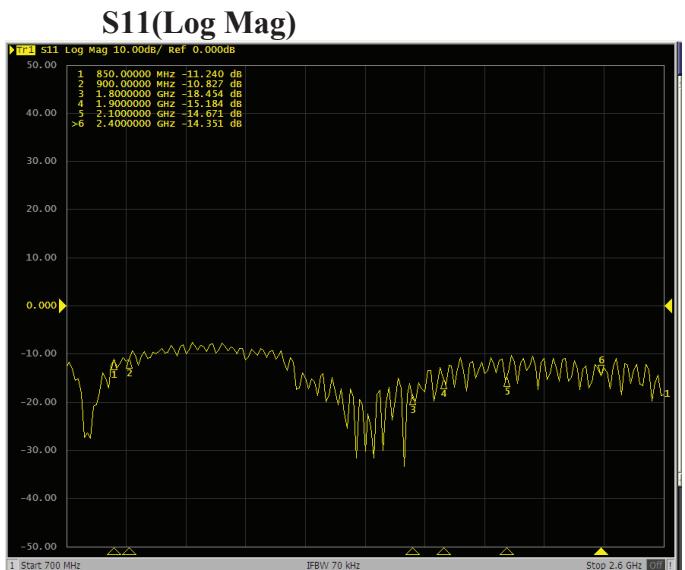


## ► ANTENNA MATCHING S11 CHARACTERISTICS

### Tetra



### Quad Band + WiFi



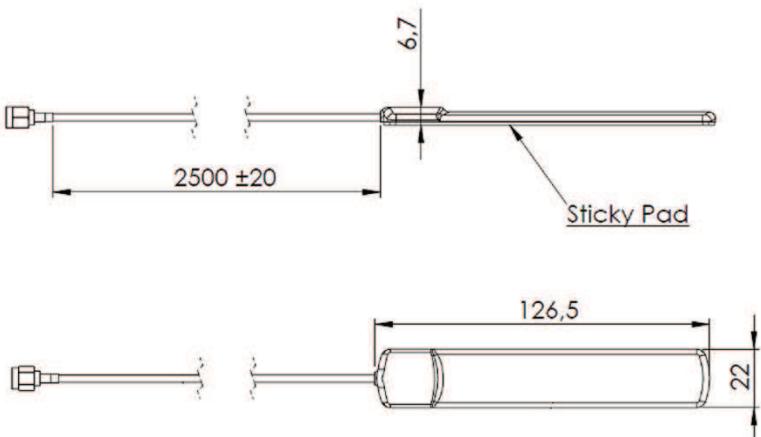
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## OUTLINE DRAWING:



Parameters	Description
RF Connector	SMA male, Nickel
Weight	46,5 g
Cable Type	Coaxial Cable-RG174
Cable Length	2.5m
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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