



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!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



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
		2.4		GHz	WIFI/BLEETOOTH
VSWR			3:1		@TETRA
			2:1		@CELL
Polarization Model	Linear				
Impedance		50		Ω	
Gain		2.2		dBi	
Operating Temperature	-40		+85	$^{\circ}\text{C}$	
Diagnostic Resistor	9.5	10	10.5	k Ω	

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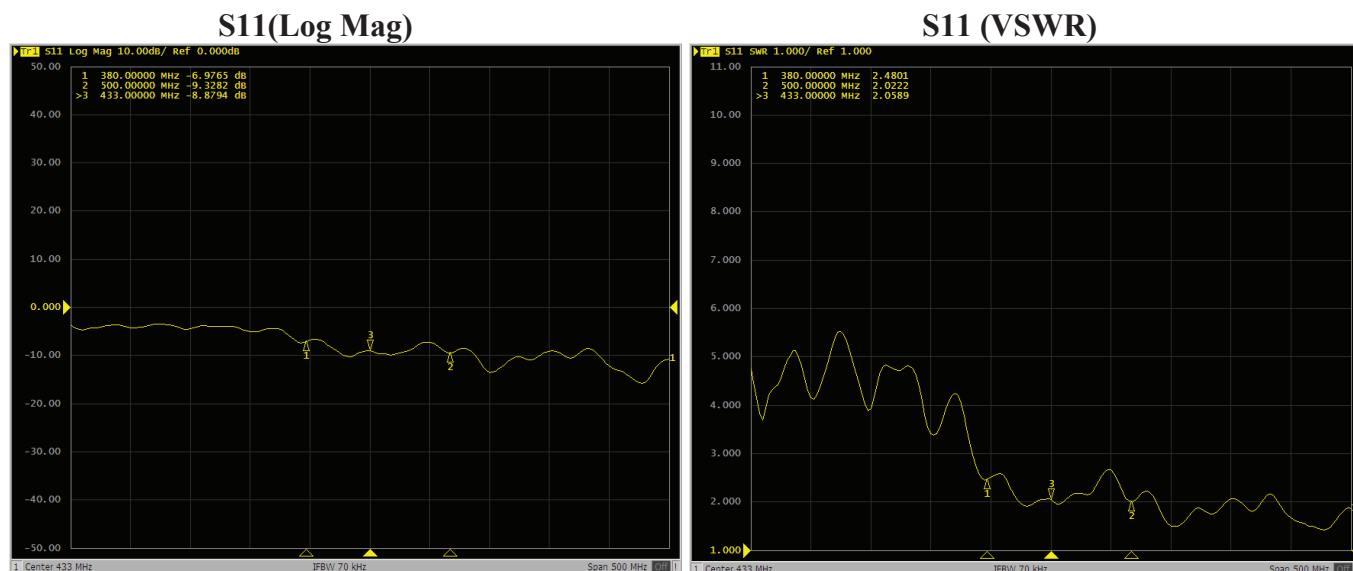
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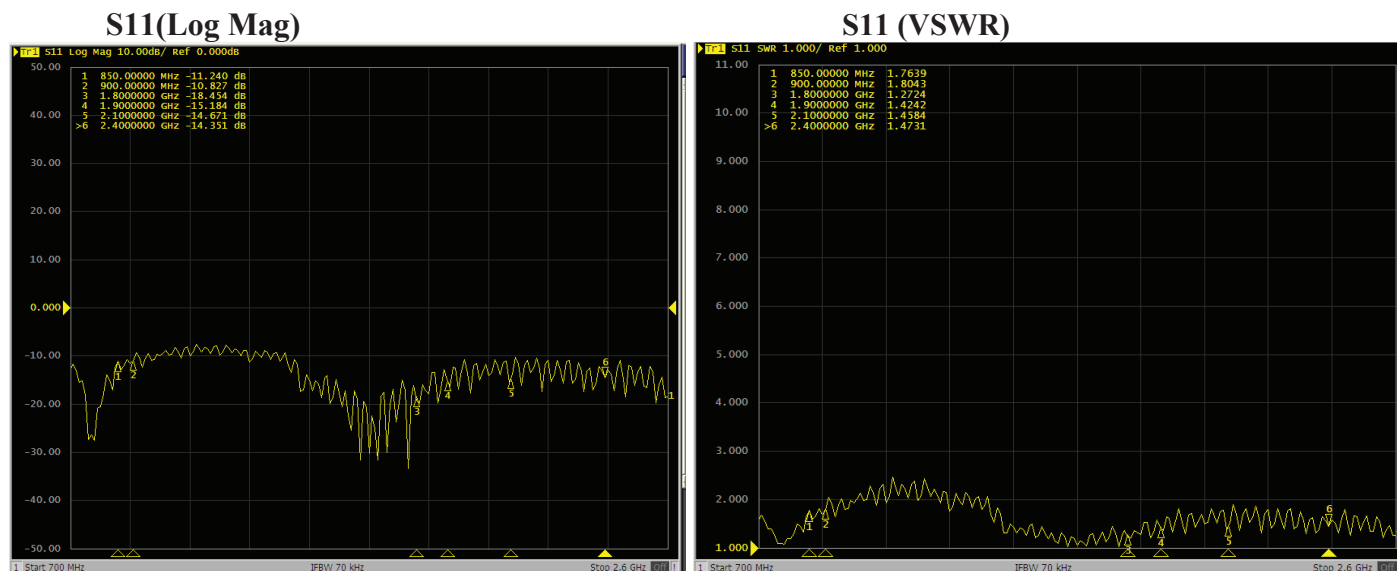
126.5 x 22.0 x 6.7mm

ANTENNA MATCHING S11 CHARACTERISTICS

Tetra



Quad Band + WiFi



Multiband Antenna Module

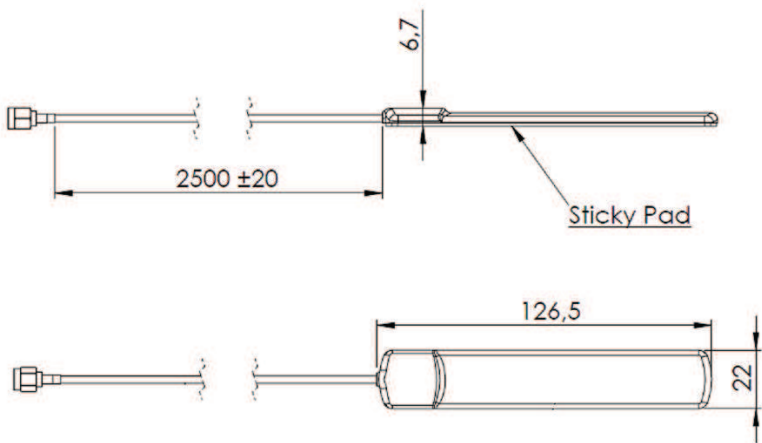
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OUTLINE DRAWING:



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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