

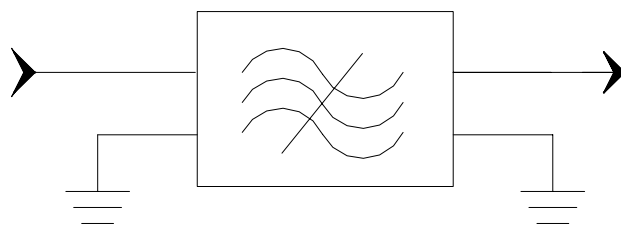
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	94.875	95	95.125
Insertion Loss	dB		28.5	30
1.5 dB Bandwidth(marker f0)	MHz	24.1	24.15	
24 dB Bandwidth	MHz		25.15	25.2
Passband Variation	dB		1	1.3
Ultimate Rejection	dB	35	40	
Absolute Delay	usec		2.12	2.4
Material Temperature coefficient	KHz/°C	-7.79		
Ambient Temperature	°C	25		
Package Size	DIP3512 (35.0x12.8x4.7mm ³)			

Notes:

1. All specifications are based on the test circuit shown
2. In production, devices will be tested at room temperature to a guardbanded specification to ensure electrical compliance over temperature
3. Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances
4. This is the optimum impedance in order to achieve the performance show

Matching Configuration



Source /Load Impedance=50 ohm

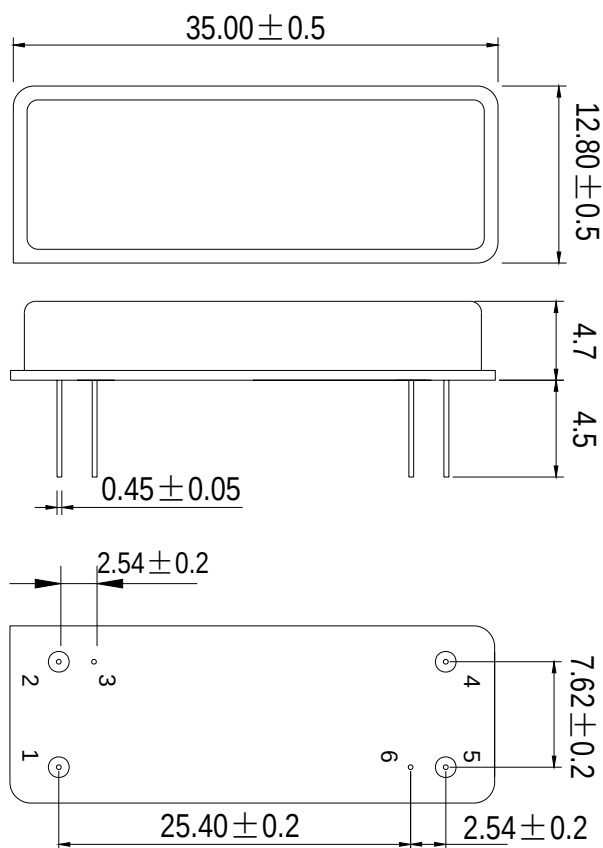
Notes - Component values may change depending
on board layout.



SIPAT Co., Ltd.
(CETC No. 26 Research Institute)
Nanping Huayuan Road No. 14
Chongqing, China, 400060

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Package Dimension

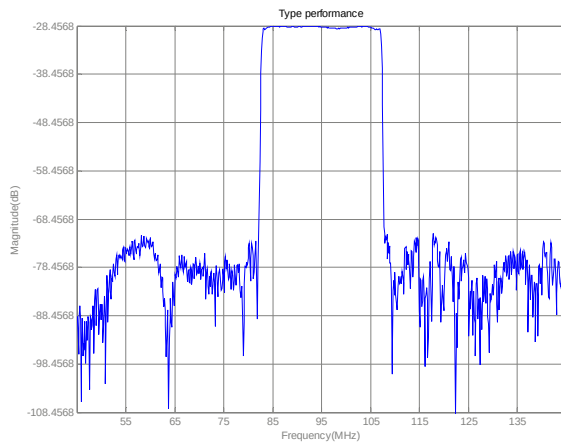


Input:1
Output:5

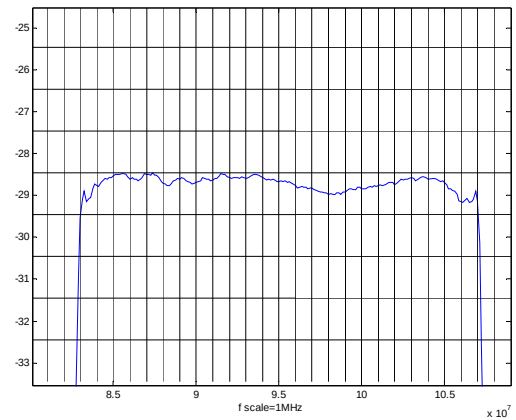
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Typical Performance

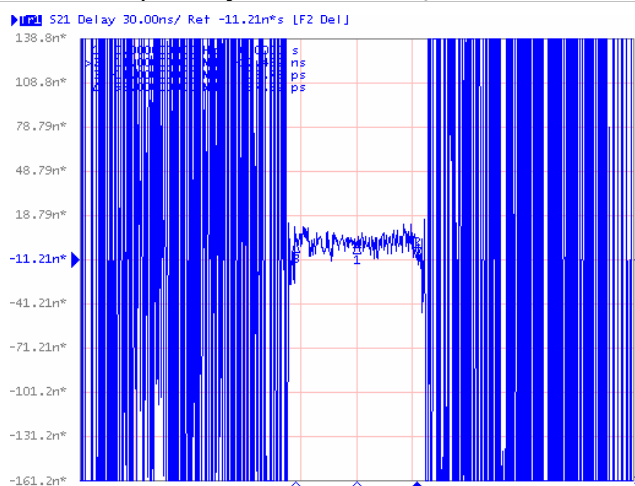
Frequency Response



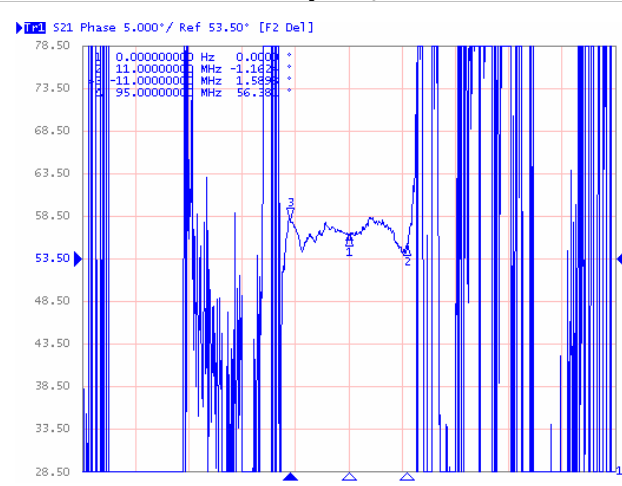
Passband Response



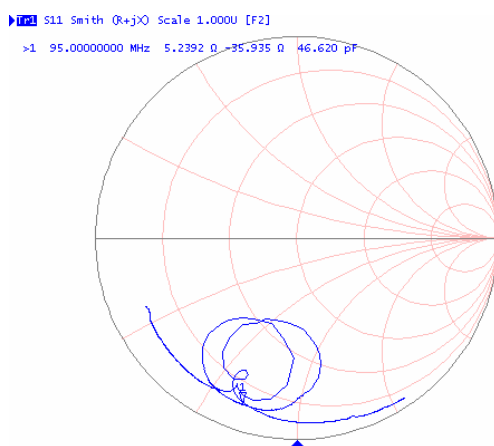
Group delay Variation ($F_0 \pm 11\text{MHz}$)



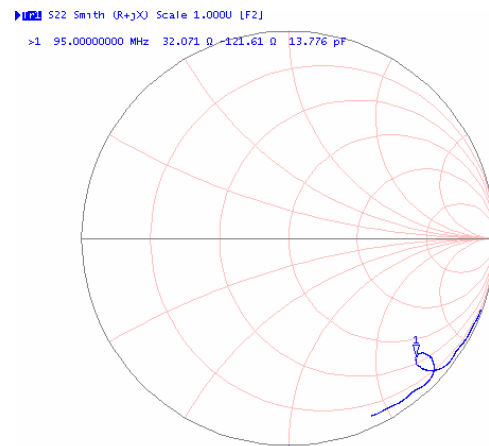
Phase Linearity ($F_0 \pm 11\text{MHz}$)



Smith Chart S11



Smith Chart S22



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