


### Specifications

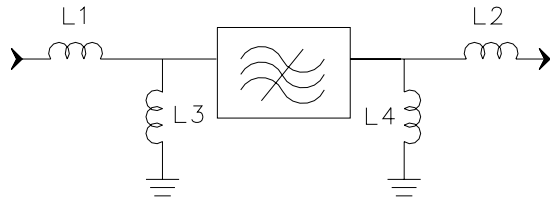
Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	-	426	-
Insertion Loss	dB	-	20	21.5
Upper 0.7dB point	MHz	428.52	428.73	-
Lower 0.7 dB point	MHz	-	422.91	423.36
Upper 3 dB point	MHz	-	429.15	429.65
Lower 3 dB point	MHz	422.35	422.53	-
Upper 40 dB point	MHz	-	430.25	430.74
Lower 40 dB point	MHz	421.31	421.53	-
Upper 45 dB point	MHz	-	430.34	430.89
Lower 45 dB point	MHz	421.2	421.47	-
Upper 50 dB point	MHz	-	430.86	433.5
Lower 50 dB point	MHz	419.5	421.4	-
Relative Attenuation 100~419.5MHz	dB	50	52	-
Relative Attenuation 433.5~500MHz	dB	50	52	-
Phase Ripple 423.3~428.7MHz		-	7.5	10
Passband Variation	dB	-	0.4	0.7
Input VSWR at 426MHz		-	2.2	5
Output VSWR at 426MHz		-	1.5	2.5
Triple Transit Suppression	dB	40	46	-
Substrate Material		Quartz		
Ambient Temperature	°C	25		
Package Size	SMP-53 (13.3 x 6.5 mm Nominal Footprint)			

#### 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

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### Matching Configuration



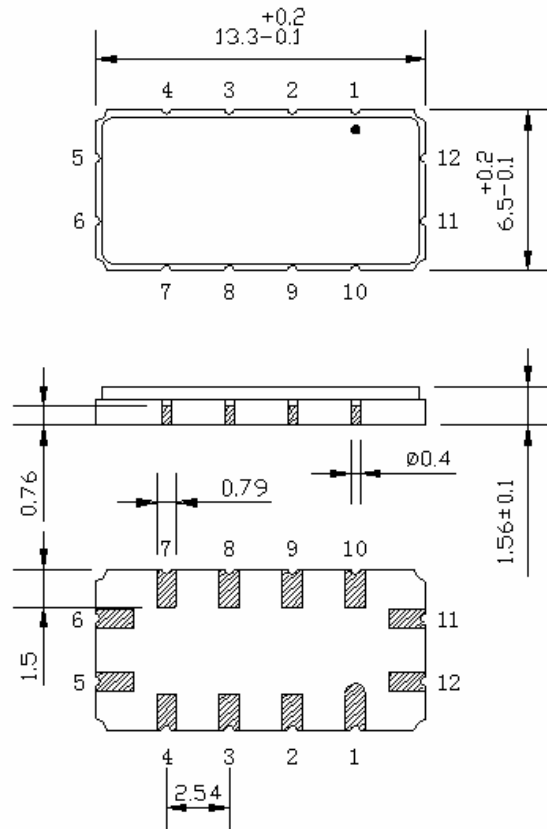
**L1=33nH L2=33nH**

**L3=22nH L4=15nH**

**Source/Load Impedance=50 ohm**

Notes - Component values may change depending  
on board layout.

### Package Dimension



**Input:11**  
**Output:5**

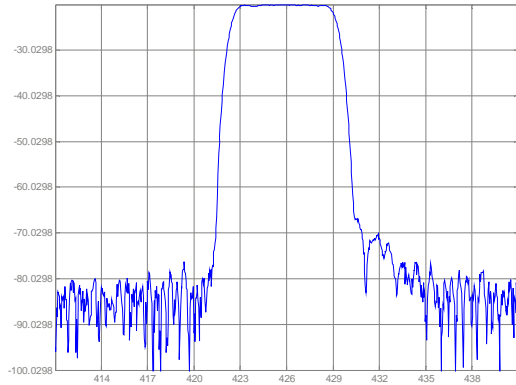


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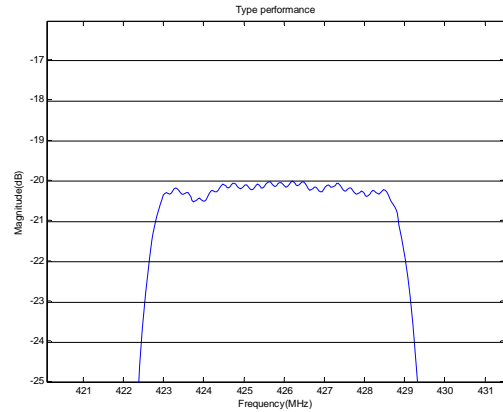
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*Typical Performance*

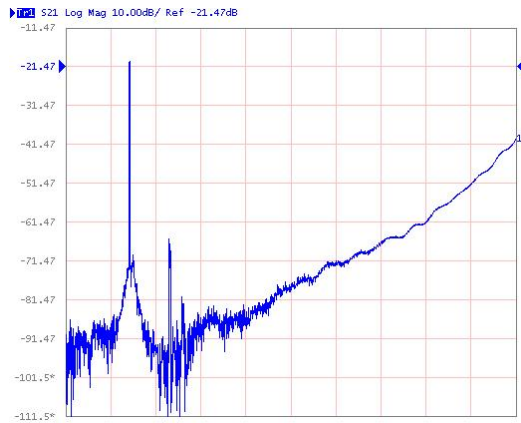
Frequency Respond



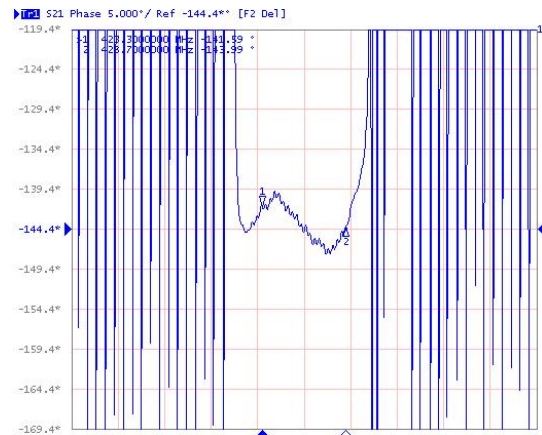
Passband Respond



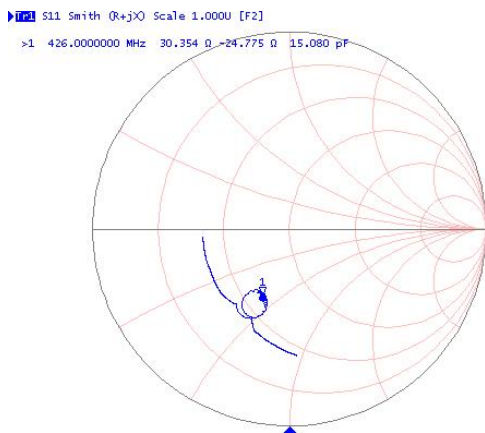
Wideband Respond



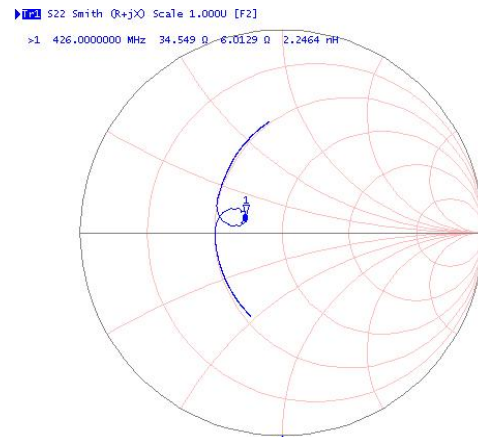
Phase Linearity(423.3~428.7MHz)



Smith Chart S11



Smith Chart S22



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