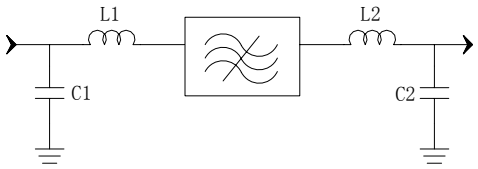
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	139.96	140	140.04
Insertion Loss	dB	-	10.2	12
1 dB Bandwidth	MHz	0.48	0.55	-
3 dB Bandwidth	MHz	-	0.86	-
35 dB Bandwidth	MHz	-	1.98	2.10
Passband Variation	dB	-	0.3	0.6
Absolute Delay	usec	-	1.88	-
Phase Linearity (f0±250KHz)	deg	-	0.8	-
Group Delay Variation (f0±250KHz)	nsec	-	80	200
Ultimate Rejection				
f0±2.5MHz	dB	37	41	-
f0±20MHz	dB	40	45	-
Subatrate Material		Quartz		
Ambient Temperature	°C	25		
Package Size	SF－26			

Notes:

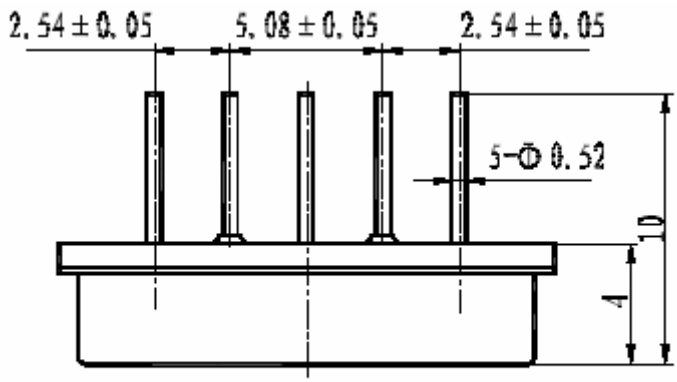
1. All specifications are based on the test circuit shown
2. In production, devices will be tested at room temperature to a guardbanded specification to ensure electrical compliance over temperature
3. Electrical margin has been built into the design to account for the variations due to temperature drift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

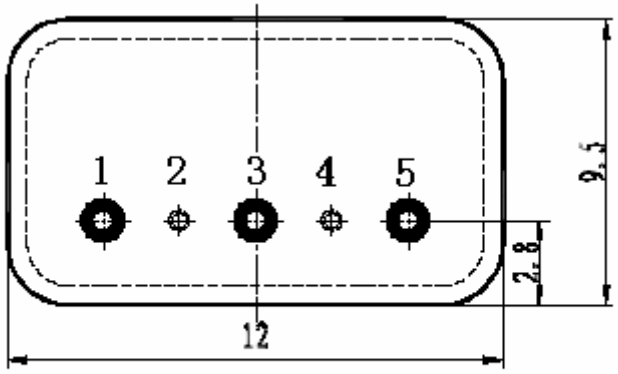
Matching Configuration



L1=82nH L2=100nH
C1=56pF C2=47pF
Source/Load Impedance=50 ohm
Notes - Component values may change depending on board layout.

Package Dimension

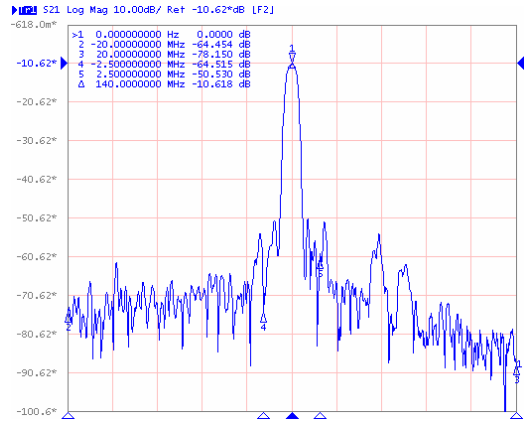




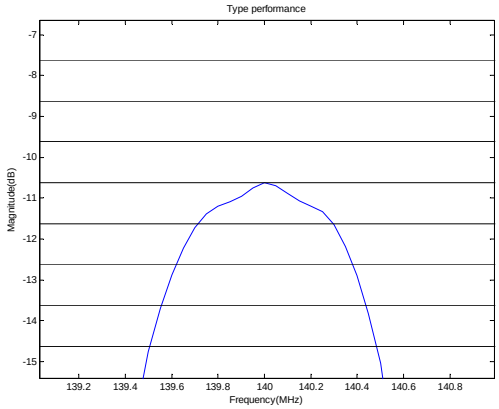
Pin 1:input
pin 5:Output

Typical Performance

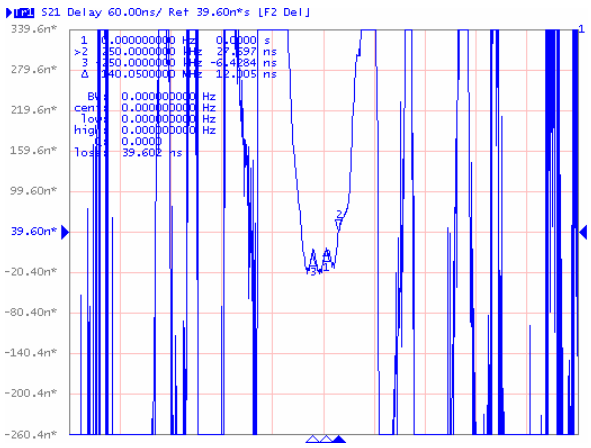
Frequency Respond



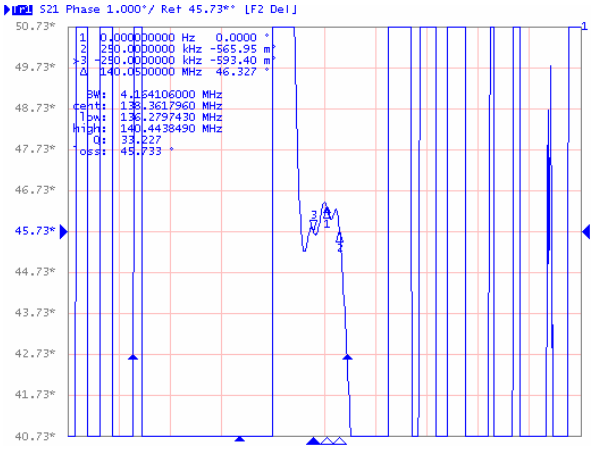
Passband Respond



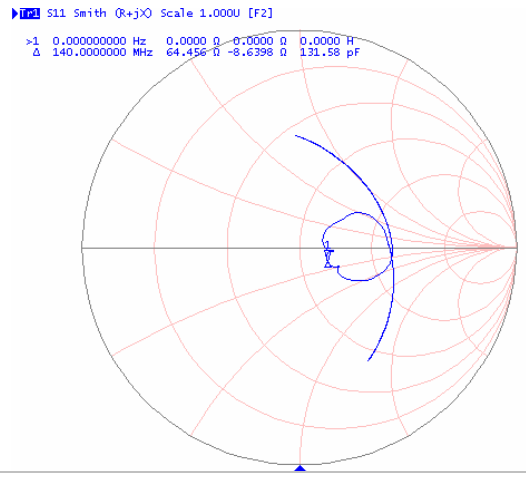
Group Delay Variation(f0±250kHz)



Phase Linearity(f0±250kHz)



Simth Chart S11



Simth Chart S22