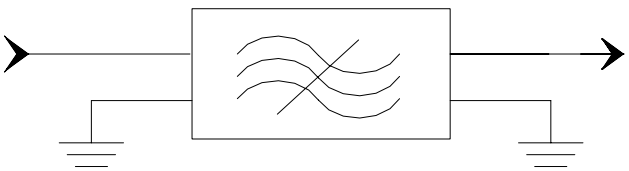
Specifications

Parameter		Unit	Minimum	Typical	Maximum
Center Frequency		MHz	69.9	70	70.1
Insertion Loss		dB		26.5	28
3 dB Bandwidth		MHz	12.35	12.4	12.45
Selectivity	±400kHz	dBc	35	43	
	±600kHz	dBc	45	60	
	±1MHz	dBc	50	60	
	±5MHz	dBc	55	60	
Passband Variation		dB		0.5	1
Absolute Delay		usec		3.4	3.7
Ultimate Rejection(f0±15MHz)		dB	55	60	
Subatrate Material			YZ-$LiNbO_3$		
Ambient Temperature		°C	25		
Package Size		DIP3512 (35.2x12.7x5.2mm^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

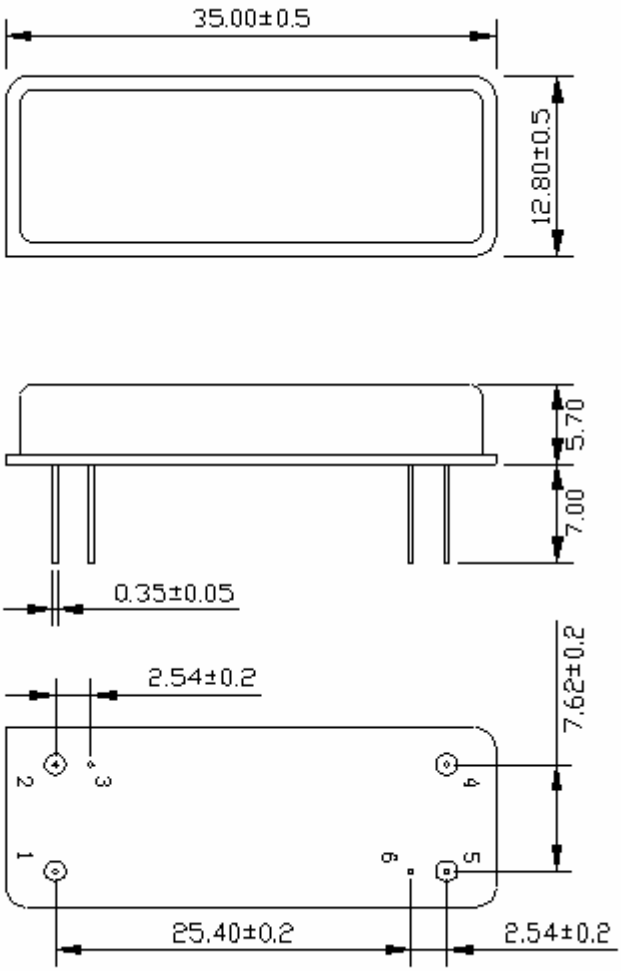
Matching Configuration



Source/Load Impedance=50 ohm

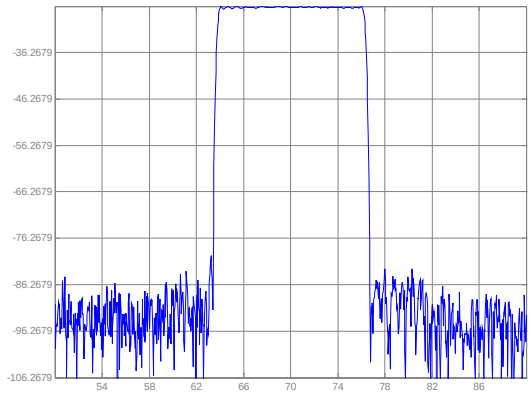
Notes - Component values may change depending on board layout.

Package Dimension

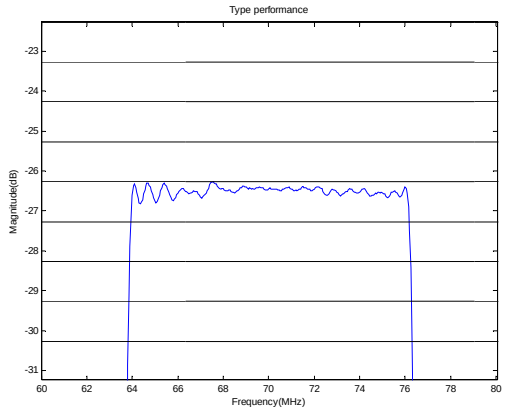


Typical Performance

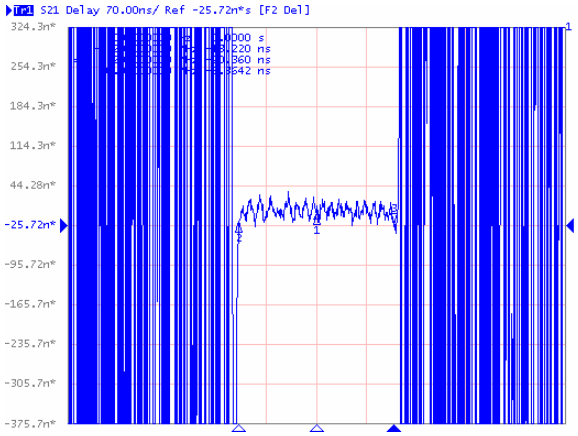
Frequency Respond



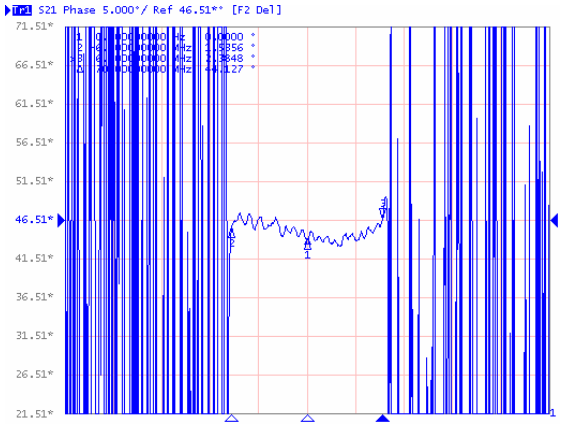
Passband Respond



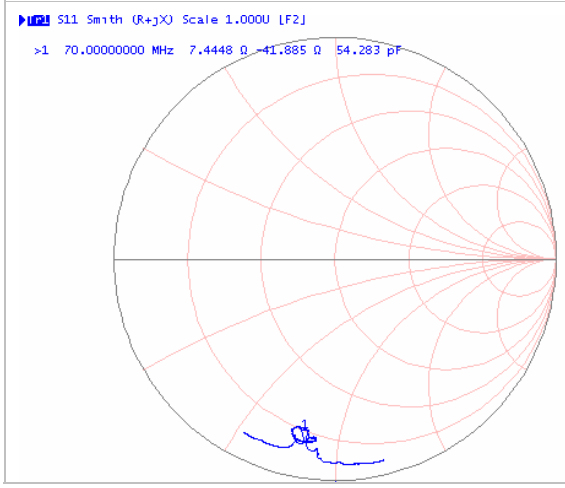
Group Delay Variation(f0±6.2MHz)



Phase Linearity(f0±6.2MHz)



Simth Chart S11



Simth Chart S22