

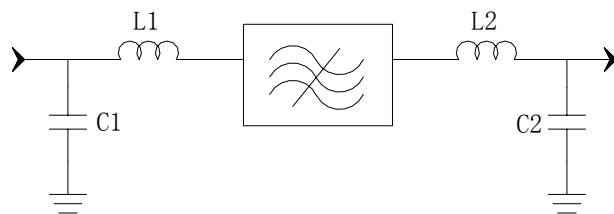
Specifications

Parameter	Unit	Minimum	Typical	Maximum
Center Frequency	MHz	87.44	87.5	87.56
Insertion Loss	dB	-	22	25
1 dB Bandwidth	MHz	1.54	1.56	-
3 dB Bandwidth	MHz	1.62	1.64	-
40 dB Bandwidth	MHz	-	1.895	1.9
Passband Variation	dB	-	0.7	1
Absolute Delay	usec	-	10.28	11
Ultimate Rejection	dB	45	47	-
Substrate Material		Quartz		
Ambient Temperature	°C	25		
Package Size		DIP 7320(73.28×19.94×5.6mm 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



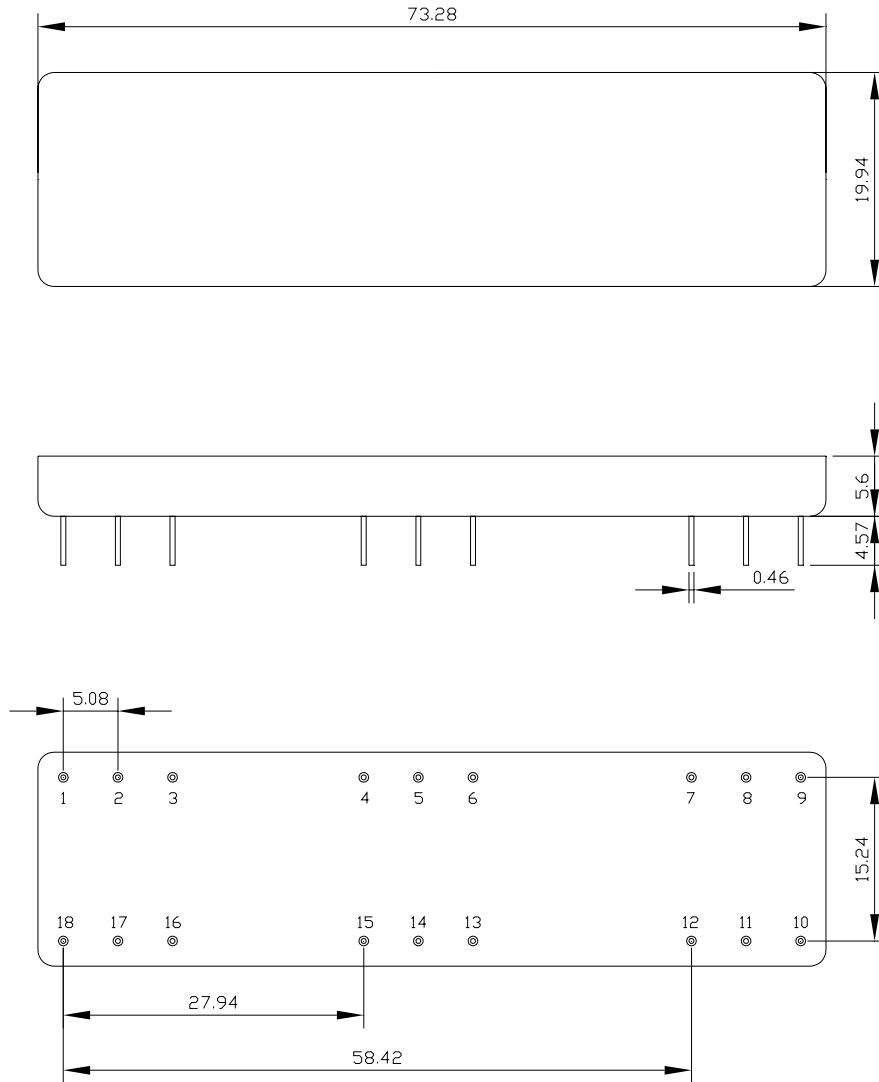
L1=56nH L2=68nH
C1=120pF C2=120pF

Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

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Package Dimension



Units: mm

Pin Configuration:

Input: 2

Output: 11

Ground: 1,3,4,5,6,7,8,9,10,12,13,14,15,16,17,18

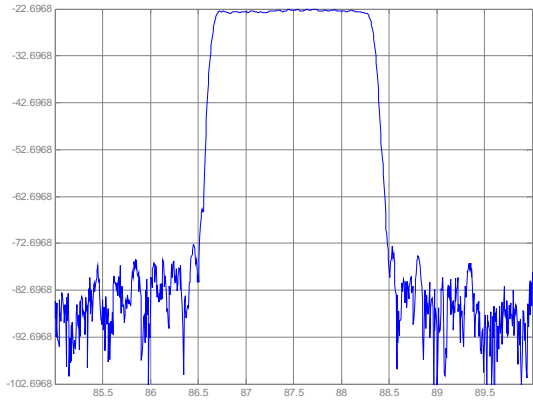


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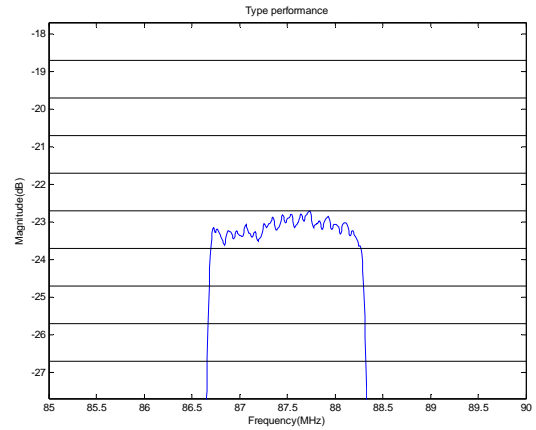
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Typical Performance

Frequency Respond



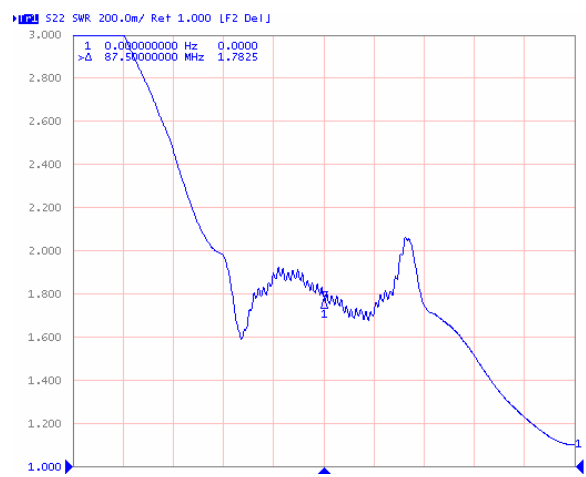
Passband Respond



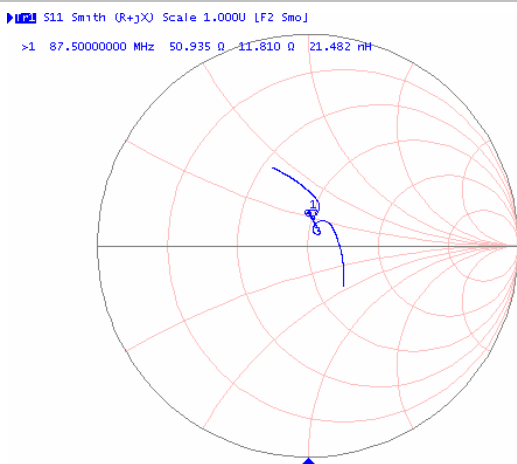
SWR(S11)



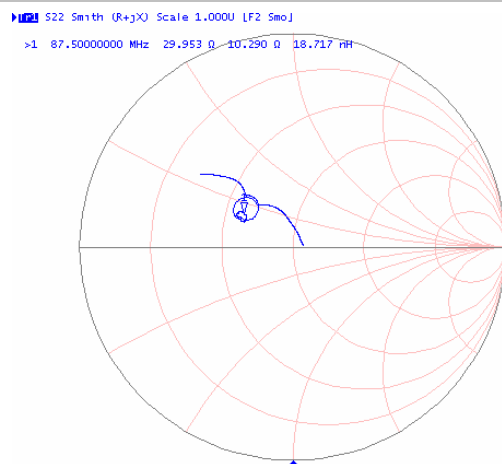
SWR(S22)



Simth Chart S11



Simth Chart S22



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