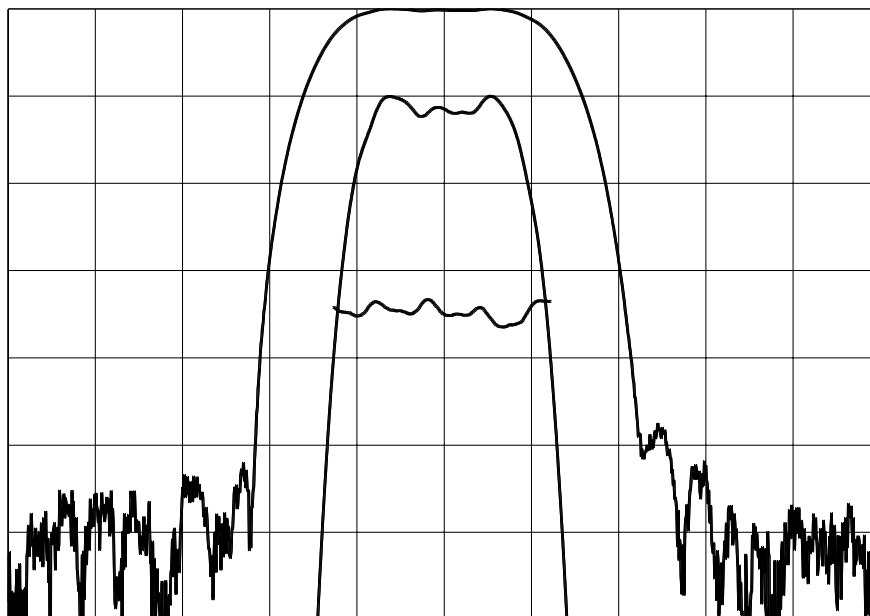


TYPICAL PERFORMANCE



Horizontal: 0.5 MHz/div Vertical (from top):
 Magnitude 10 dB/div
 Magnitude 1 dB/div
 Phase 5 deg/div

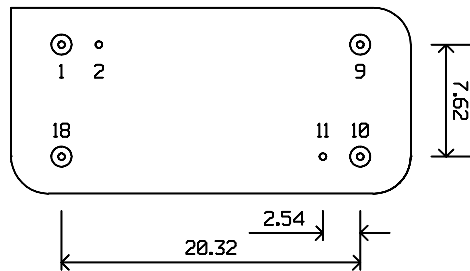
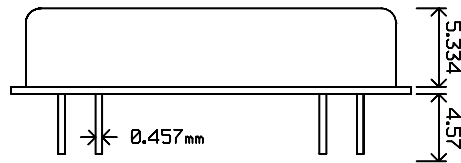
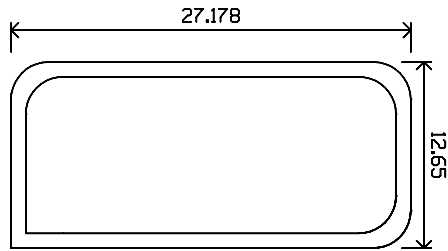
SPECIFICATION

Parameter	Min.	Typ.	Max.	Units.
Center Frequency (Fc) ¹	69.93	70.00	70.07	MHz
Insertion Loss at Fc		21.5	24	dB
1 dB Bandwidth	0.9	1.05		MHz
3 dB Bandwidth	1.0	1.26		MHz
40 dB Bandwidth		2.12	2.3	MHz
Passband Ripple		0.3	0.5	dB
Phase Ripple		2	4	deg p-p
Group Delay Ripple		80	150	ns p-p
Absolute Delay		3.25		us
Ultimate Rejection	50	55		dB
Substrate Material	Quartz			
Ambient Temperature		25		° C

Notes:

1: Mean Value of 3 dB points

PACKAGE OUTLINE

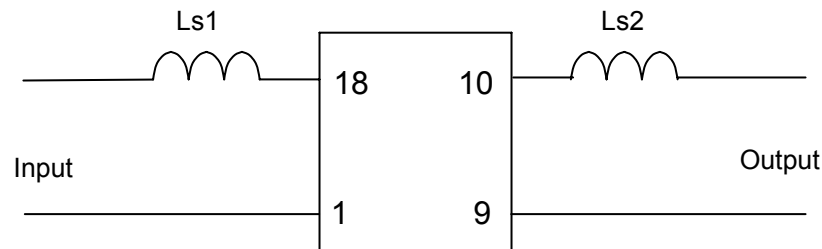


Units: mm

Pin Configuration:

Input: 18
 Input Return: 1
 Output: 10
 Output Return: 9
 Ground: 2, 11

MATCHING CIRCUIT



Component values:

Ls1 = 220 nH

Ls2 = 220 nH

(Minimum Q = 45)

Notes

1. Recommend use of 2% tolerance components.
- 2: Optimum Values depend on board layout. Values intended as guide only.

ISO 9001
Registered