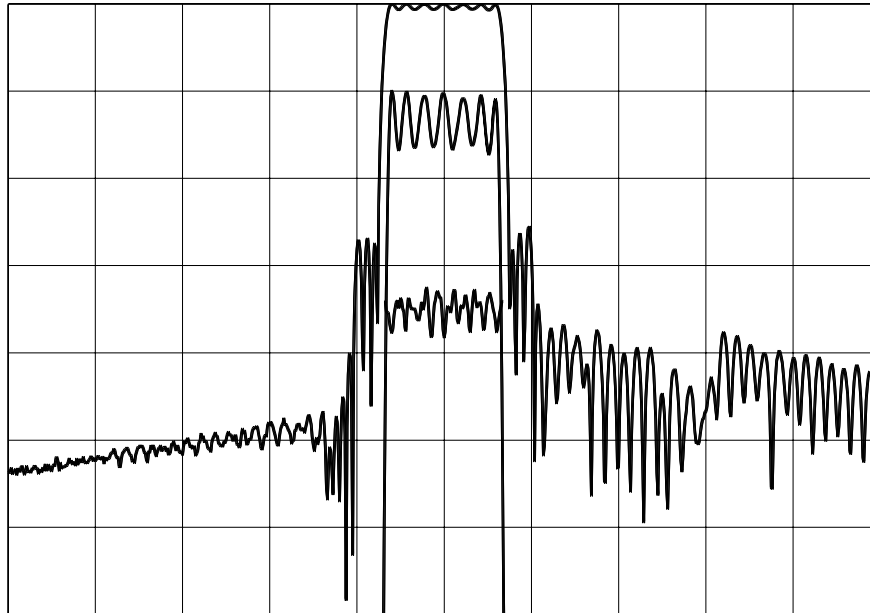


## TYPICAL PERFORMANCE



Horizontal: 2.0 MHz/div    Vertical (from top):    Magnitude    10 dB/div  
 Magnitude    1 dB/div  
 Group Delay    100 ns/div

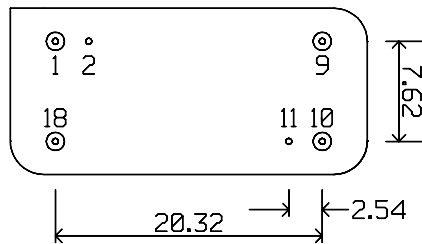
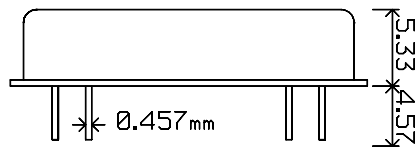
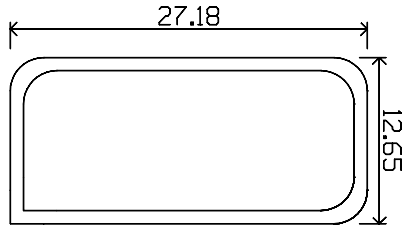
## SPECIFICATION

Parameter	Min.	Typ.	Max.	Units.
Center Frequency Fc (nominal)		70.0		MHz
Insertion Loss <sup>1</sup>		26	27	dB
Lower 1 dB point			68.75	MHz
Upper 1 dB point	71.25			MHz
Lower 20 dB point	68.50			MHz
Upper 20 dB point			71.50	MHz
Amplitude Ripple <sup>2</sup>		0.7	1	dB p-p
Phase Ripple <sup>2</sup>		3	6	deg p-p
Group Delay Ripple <sup>2</sup>		50	100	ns p-p
Rejection ( 10-68.5 & 71.5-200) MHz	20	30		dB
Absolute Delay		3.35		us
Triple Travel Attenuation <sup>3</sup>	50			dB
Operating Temperature Range	0		50	° C
Input Power Level			15	dBm
Substrate Material		Quartz		

### Notes:

- 1: Mean value over Fc ± 1.25 MHz
- 2: Measured over Fc ± 1.25 MHz
- 3: With specified matching network

**PACKAGE OUTLINE**

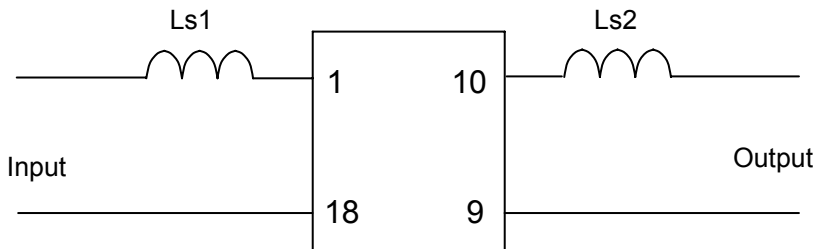


Units: mm

**Pin Configuration:**

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

**MATCHING CIRCUIT**



Component values:

Ls1 = 280 nH      Ls2 = 750 nH      (Minimum Q = 45)

Notes

1. Recommend use of 5% tolerance components.
2. Optimum values depend on board layout. Values intended as guide only.

