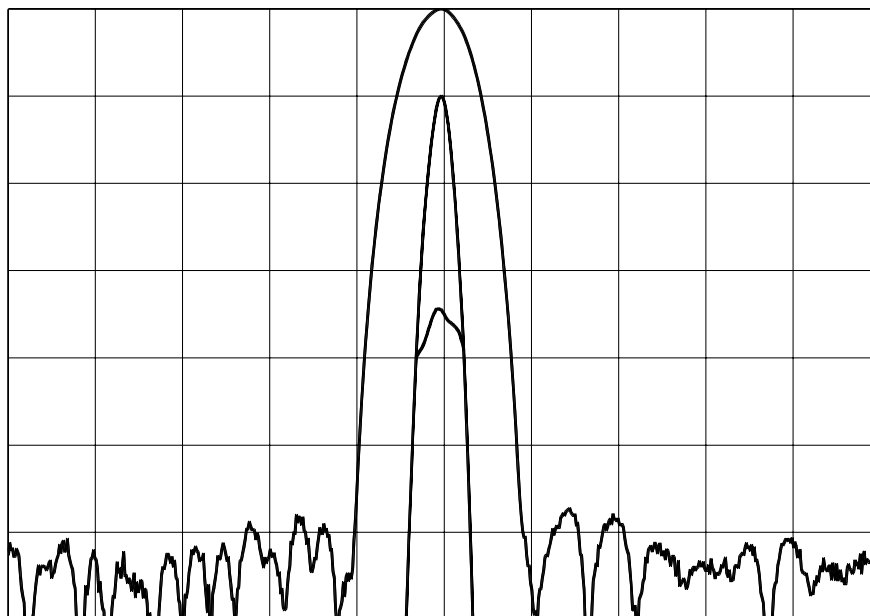




TYPICAL PERFORMANCE



Horizontal: 0.5 MHz/div

Vertical (from top):

Magnitude

10 dB/div

Magnitude

1 dB/div

Phase

5 deg/div

SPECIFICATION

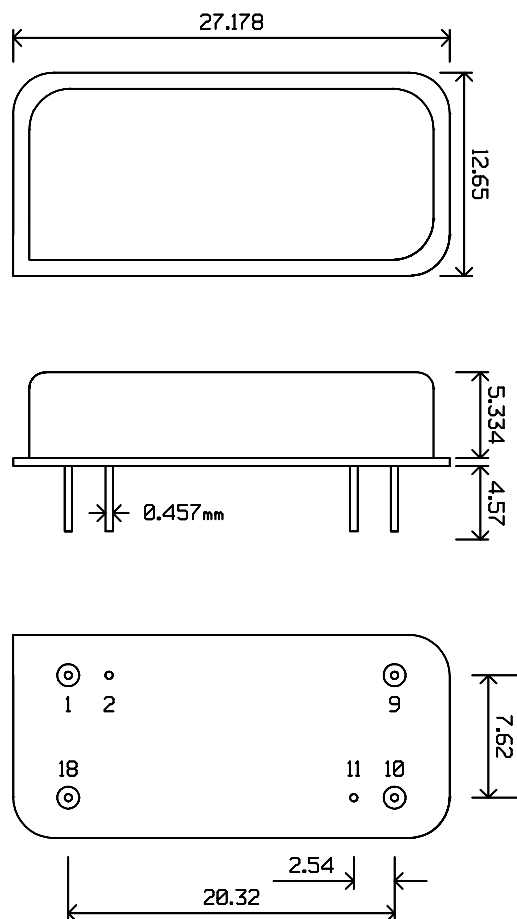
Parameter	Min.	Typ.	Max.	Units.
Center Frequency (Fc) ¹	139.95	140.0	140.05	MHz
Insertion Loss at Fc		19.5	22	dB
1 dB Bandwidth	0.14	0.16		MHz
3 dB Bandwidth	0.25	0.27		MHz
40 dB Bandwidth		0.84	0.95	MHz
Passband Ripple		0.01	0.1	dB
Phase Ripple		3.0	5	deg p-p
Group Delay Ripple		150	300	ns p-p
Absolute Delay		3.62		us
Ultimate Rejection	50	60		dB
Substrate Material	Quartz			
Source and Load Impedance	50			Ω
Ambient Temperature		25		$^{\circ}$ C

Notes:

1: Mean Value of 3 dB band edges.



PACKAGE OUTLINE

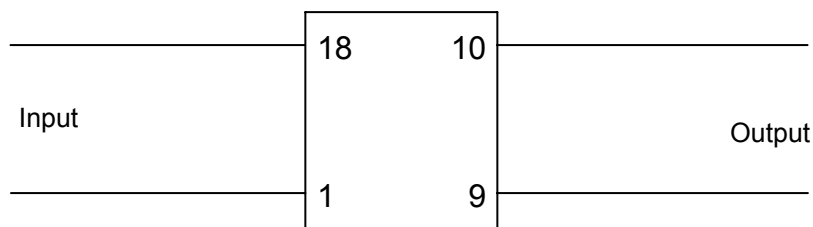


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



No matching required

ISO 9001
Registered