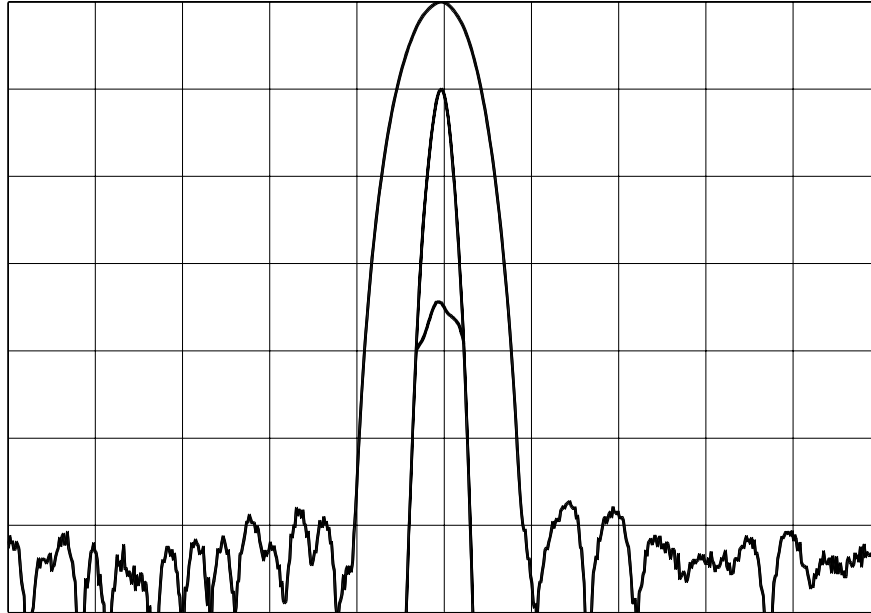


**TYPICAL PERFORMANCE**



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

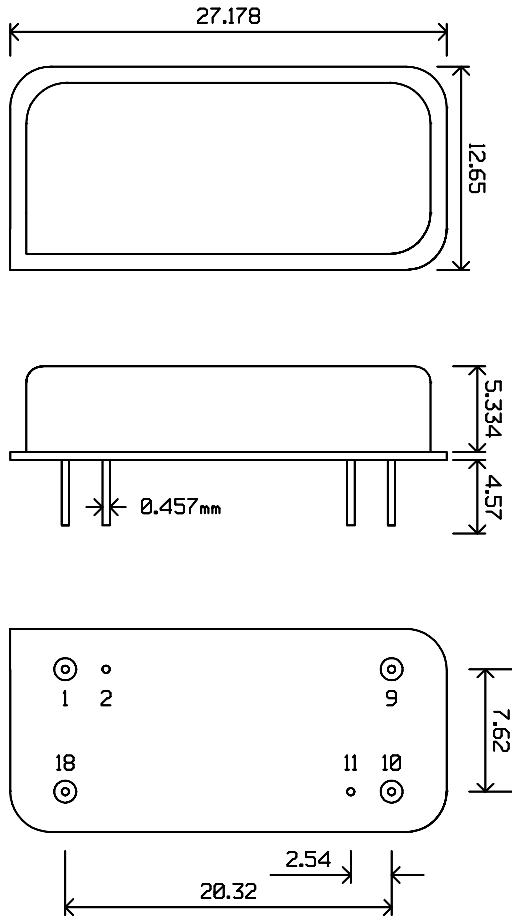
**SPECIFICATION**

Parameter	Min.	Typ.	Max.	Units.
Center Frequency ( Fc ) <sup>1</sup>	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			° C

Notes:

1: Mean Value of 3 dB band edges.

**PACKAGE OUTLINE**

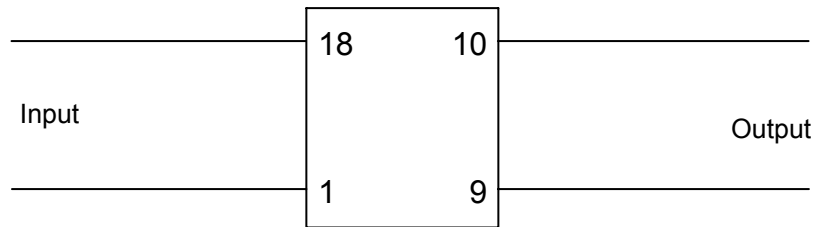


**Units:** mm

**Pin Configuration:**

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

**MATCHING CIRCUIT**



No matching required

ISO 9001  
 Registered