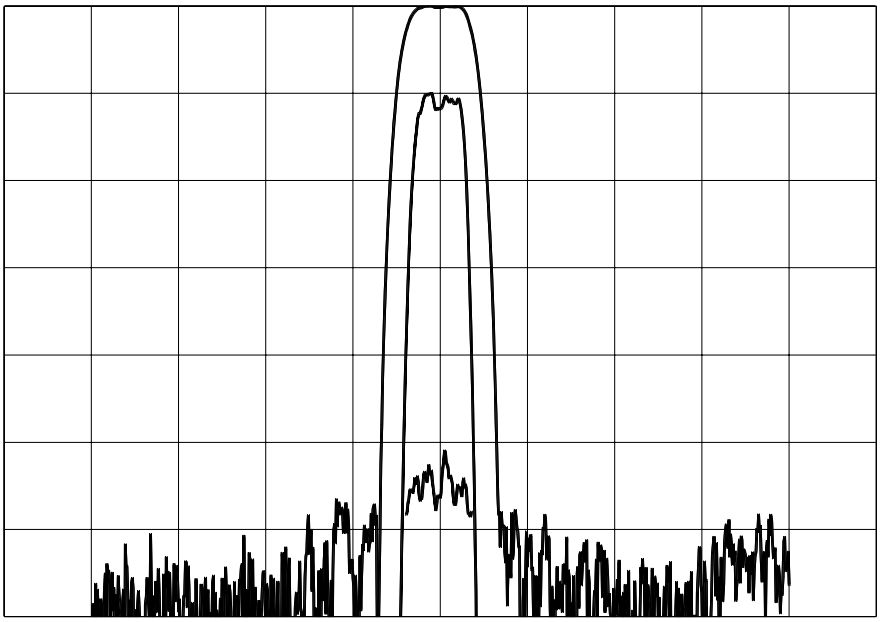
Micro Networks, 324 Clark Street, Worcester, MA 01606, USA tel: 508-852-5400, fax:508-852-8456, www.micronetworks.com

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) [1]	139.9	140.0	140.1	MHz
Insertion Loss at Fc		23.5	25	dB
1 dB Bandwidth	1.2	1.27		MHz
3 dB Bandwidth	1.5	1.53		MHz
40 dB Bandwidth		2.55	2.7	MHz
Passband Ripple		0.25	0.4	dB p-p
Phase Ripple		2.0	3	deg p-p
Group Delay Ripple		50	150	ns p-p
Absolute Delay		3.17		us
Ultimate Rejection	50	55		dB
Substrate Material		Quartz		
Source and Load Impedance		50		Ω
Ambient Temperature		25		° C

Notes:

1: Mean value of the 3 dB band edges.

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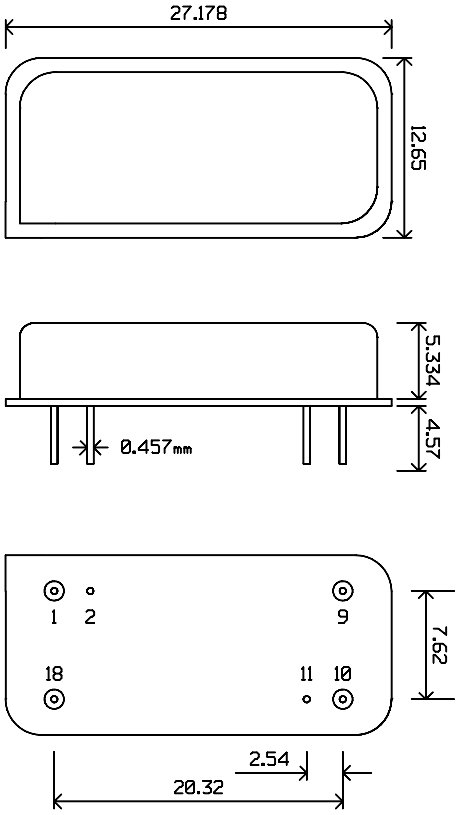
PACKAGE OUTLINE

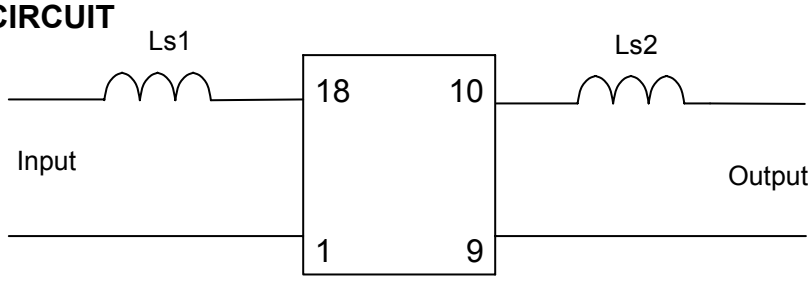


Units: mm

Pin Configuration:

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

MATCHING CIRCUIT



Component values:
Ls1 = 33 nH Ls2 = 18 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