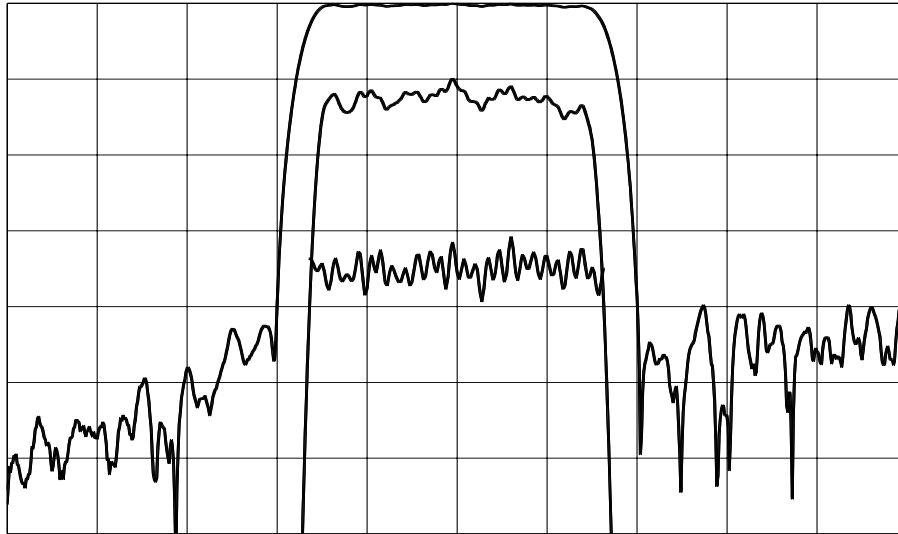




### TYPICAL PERFORMANCE



Horizontal: 2.5 MHz/div

Vertical (from top): Magnitude 10 dB/div  
 Magnitude 1 dB/div  
 Group Delay 50 nsec/div

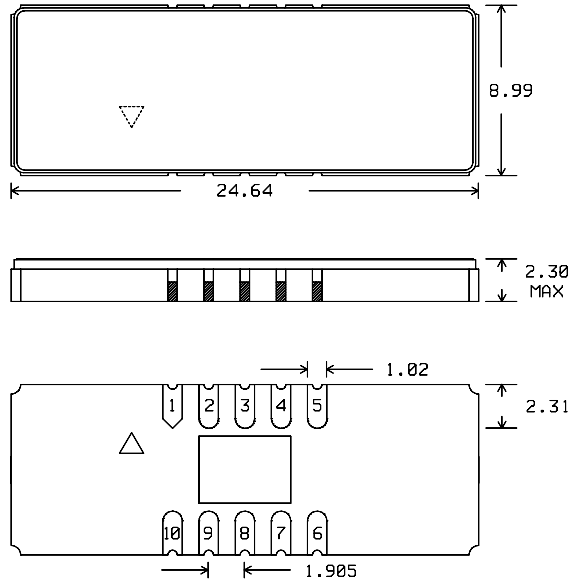
### SPECIFICATION

Parameter	Min.	Typ.	Max.	Units.
Center Frequency ( Fc ) <sup>1</sup>	36.1	36.15	36.2	MHz
Insertion Loss <sup>2</sup>		22.00	23	dB
1 dB Bandwidth	7.60	7.75		MHz
3 dB Bandwidth	8.00	8.20		MHz
38 dB Bandwidth		10.00	10.5	MHz
Passband Amplitude Ripple <sup>3</sup>		0.50	0.7	dB
Passband Phase Ripple <sup>3</sup>		2.00	3	deg p-p
Passband GD Ripple <sup>3</sup>		30	60	ns
Rejection ( 10 to 30.9) MHz	35	40		dB
Rejection ( 41.5 to 55) MHz	33	40		dB
Absolute Delay		1.50		us
Ambient Temperature		25		° C
Source / Load Impedance		50		Ω
Substrate Material	128 Lithium Niobate			

Notes:

- 1 : Mean value of 3 dB bandwidth points
- 2 : Value at 36.15 MHz
- 3 : Measured over Fc +/- 3.8 MHz

**PACKAGE OUTLINE**

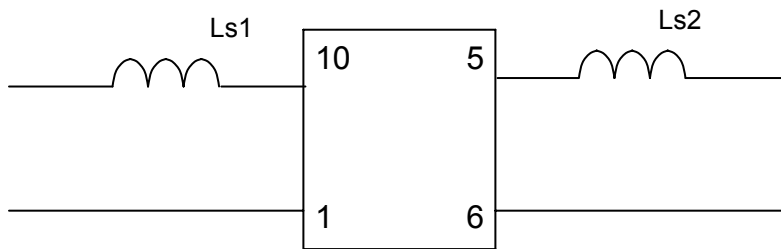


**Units:** mm

**Pin Configuration:**

Input: 10  
 Input Return: 1  
 Output: 5  
 Output Return: 6  
 Ground: All other pins.

**MATCHING CIRCUIT**



Typical component values: Ls1 = 470 nH                      Ls2 = 560 nH  
 (minimum inductor Q = 45)

- Notes - Requires 5% matching components.  
 - Component values may change depending on board layout.