

## 456 MHz SAW Filter

165816

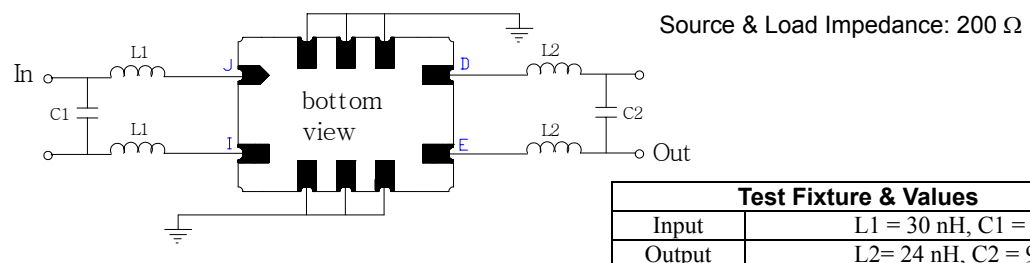
## Preliminary Information

Parameters Description	Unit	Min.	Typical	Max.
Center Frequency ( $f_0$ )	MHz	455.7	456.0	456.3
Insertion Loss at $f_0$	DB	-	14.5	16.5
Source Impedance (Balanced) <sup>(1)</sup>	$\Omega$	-	200.0	-
Load Impedance (Balanced) <sup>(1)</sup>	$\Omega$	-	200.0	-
Temperature Coefficient	ppm/ $^{\circ}$ C	-	0.03	-
Amplitude Ripple	dB <sub>p-p</sub>	-	1.0	1.5
Bandwidth at -3.0 dB	MHz	7.0	7.6	-
Bandwidth at -40.0 dB	MHz	-	12.6	14.0
Relative Attenuation:				
<i>Lower Sidelobe</i>	dB	40.0	45.0	-
<i>Upper Sidelobe</i>	dB	40.0	43.0	-
Group Delay Variation	ns	-	120.0	200.0
Absolute Delay at $f_0$	$\mu$ s	-	0.52	-
Operating Temperature	$^{\circ}$ C	-40.0	-	+85.0
Package type & size	S			
Length x Width	mm <sup>2</sup>	-	7.0 x 5.0	-
Height	mm	-	-	2.0

**Notes :** (1) With Matching Network (Ref. Testing Environment Circuit as shown below).

Those impedances could be modified with different impedance values and/or structures, if necessary.

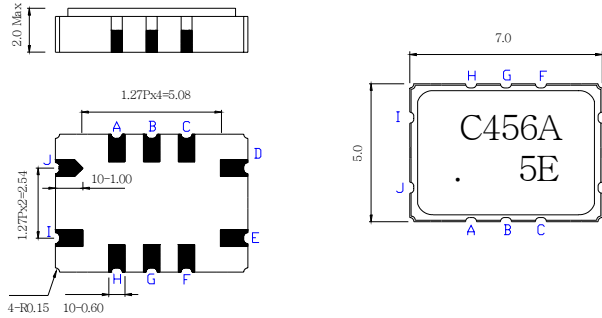
## Testing Environment



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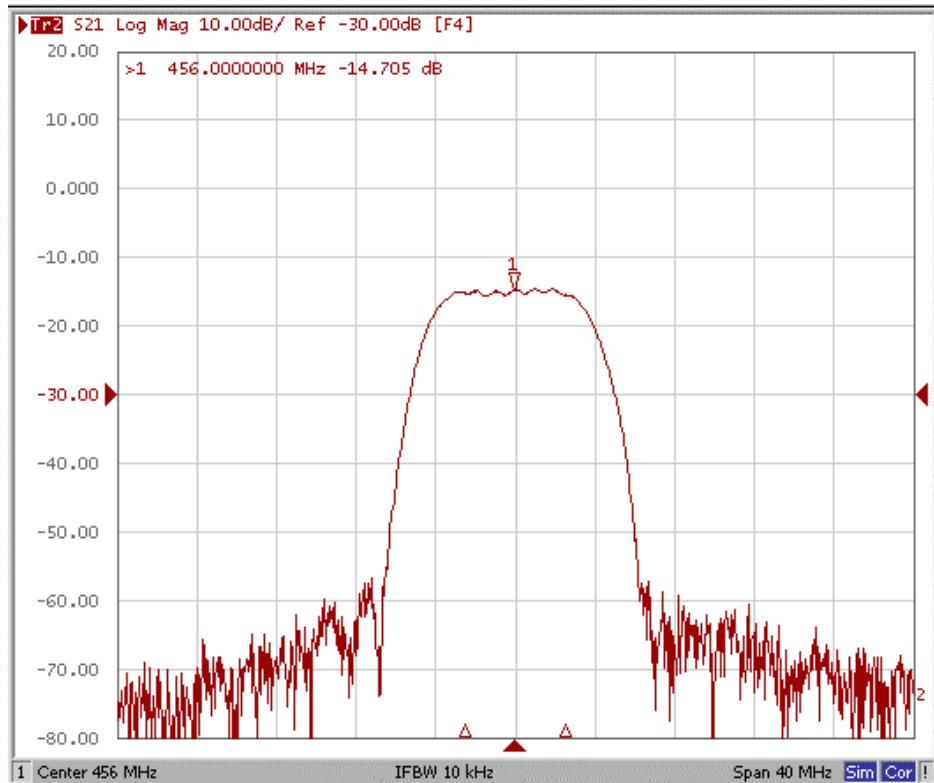
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## Package Drawing



PIN Descriptions: IN – I, J OUT – E, D GROUND – A, B, C, F, G, H

## Frequency Response



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