



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

70 MHz Saw Filter

Part Number: AM70S936



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	70.00	-
Insertion Loss at Fo	dB	-	12.50	14.00
Passband Ripple	dB	-	0.60	1.00
Group Delay Variation	nsec	-	44	100
Absolute Delay	µsec	-	1.27	-
Bandwidth at 1.0 dB	MHz	19.00	19.50	-
Bandwidth at 3.0 dB	MHz	-	20.04	-
Bandwidth at 40.0 dB	MHz	-	22.84	23.10
Ultimate Attenuation	dB	40	45	-
Fc ± 10.8 MHz	dB	10	16	-
Temperature Coefficient	ppm/°C	-	-86	-
Substrate Material	YZ-LiNbO ₃			

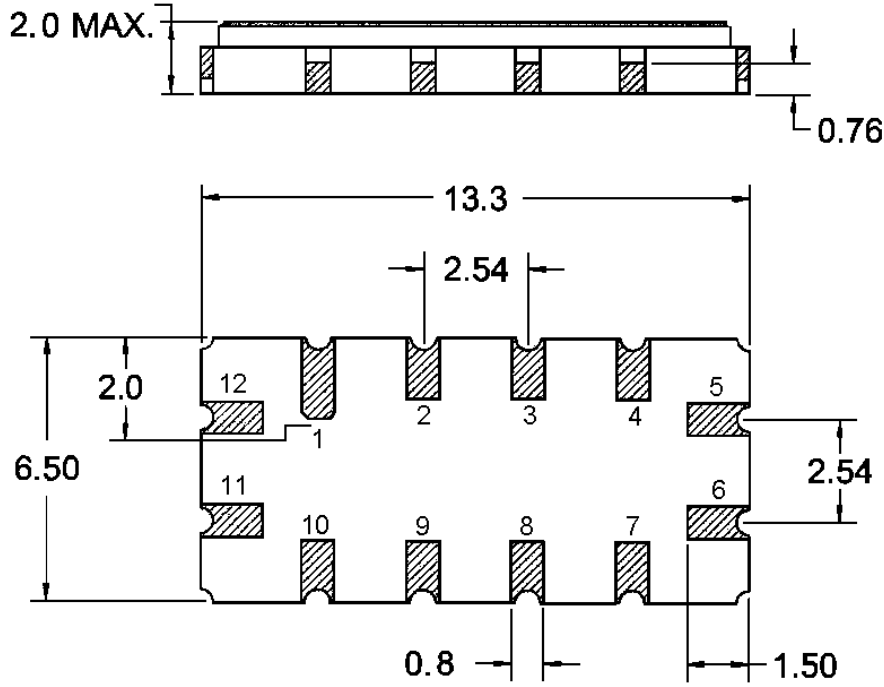


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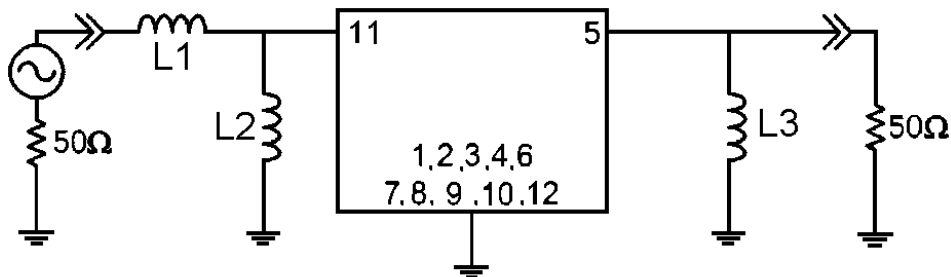


Outline Drawing:



Input : 11 , Input Gnd : 12
Output : 5 , Output Gnd : 6
Other Pins : Ground

Matching Configuration:



50Ω Single-ended

$L1 = 120 \text{ nH}$ $L2 = 120 \text{ nH}$ $L3 = 82 \text{ nH}$

Source/Load Impedance = 50 Ω

Ambient Temperature = 25°C



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Response Plot:

