



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

70.0 MHz Saw Filter

Part Number: AM70S241



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	69.92	70.00	70.08
Insertion Loss at Fo	dB	-	24.00	25.50
Passband Ripple Variation	dB	-	0.45	0.80
Group Delay Variation	nsec	-	150	300
Absolute Delay at Fo	μsec	-	3.22	-
Bandwidth at 3.0 dB	MHz	1.25	1.30	-
Bandwidth at 40.0 dB	MHz	-	2.05	2.15
Ultimate Rejection	dB	50	55	-
Substrate Material	Quartz			

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (Single Ended) ₁	Ω	-	50	-
Load Impedance (Single Ended) ₁	Ω	-	50	-
Package Size	27.2 x 12.6 x 4.2 mm			



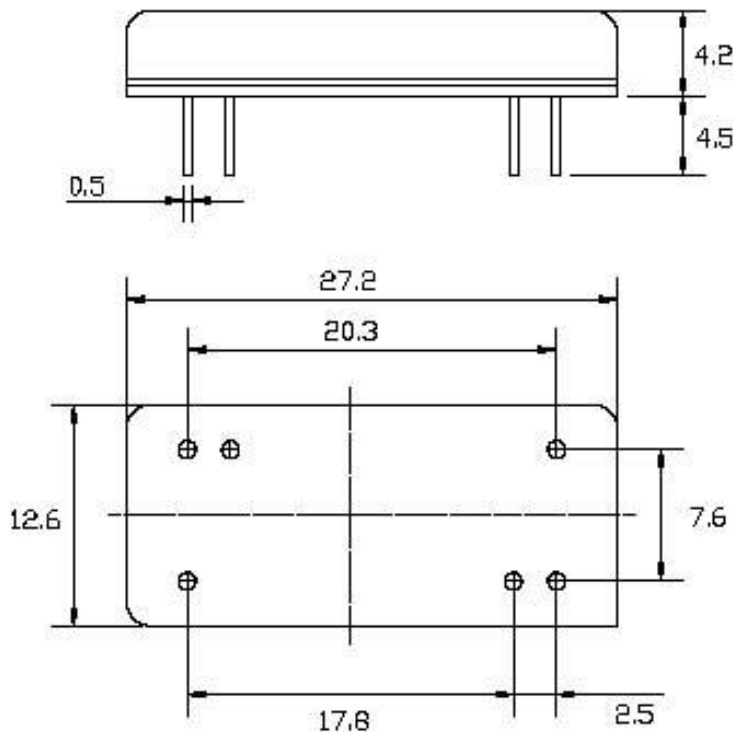
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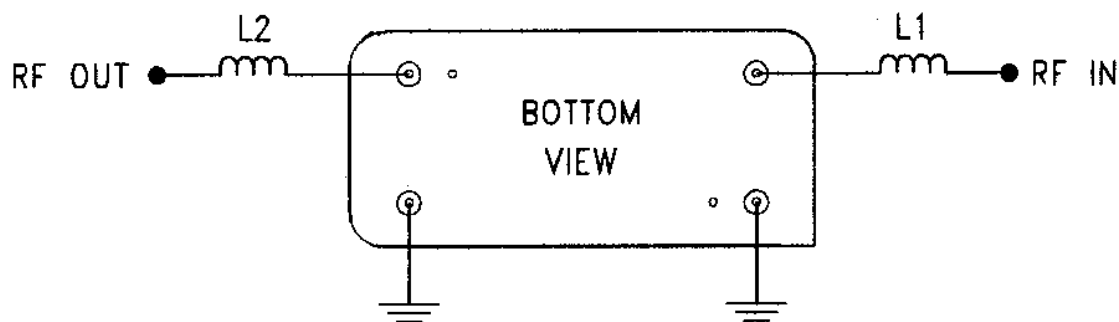
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Outline Drawing:



Matching Configuration:



$L1=L2=180\text{ nH}$
Source/Load
Ambient Temperature = 25°C



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Plot:

