



**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# 70.0 MHz Saw Filter

## Part Number: AM70S263



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	69.92	70.00	70.08
Insertion Loss at Fo	dB	-	21.5	23.0
Passband Ripple Variation	dB	-	0.55	0.80
Group Delay Variation	nsec	-	80	150
Absolute Delay at Fo	µsec	-	1.75	-
Bandwidth at 3.0 dB	MHz	4.00	4.25	-
Bandwidth at 40.0 dB	MHz	-	5.85	6.00
Ultimate Rejection	dB	50	55	-
Substrate Material	112 LiTaO <sub>3</sub>			

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) <sub>1</sub>	Ω	-	50	-
Load Impedance (Single Ended) <sub>1</sub>	Ω	-	50	-
Package Size	20.1 x 12.5 x 5.0 mm			

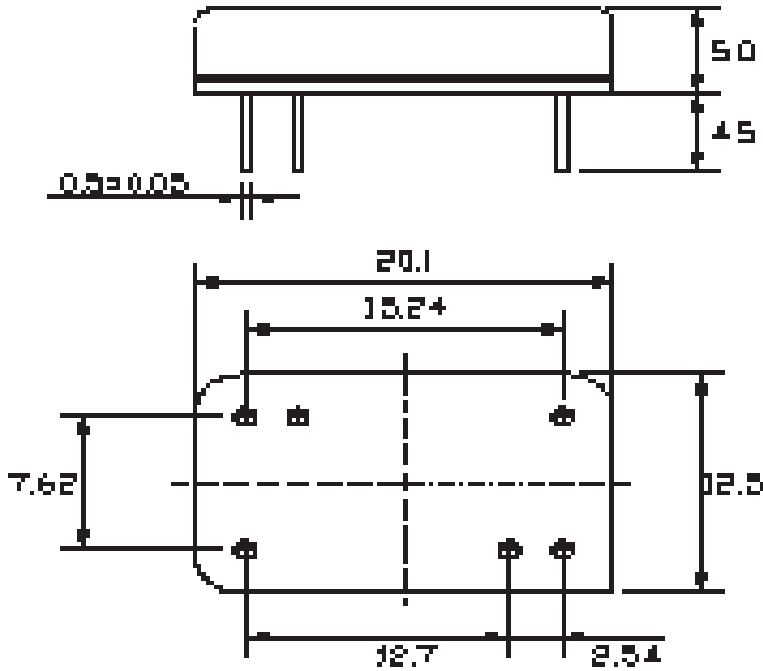


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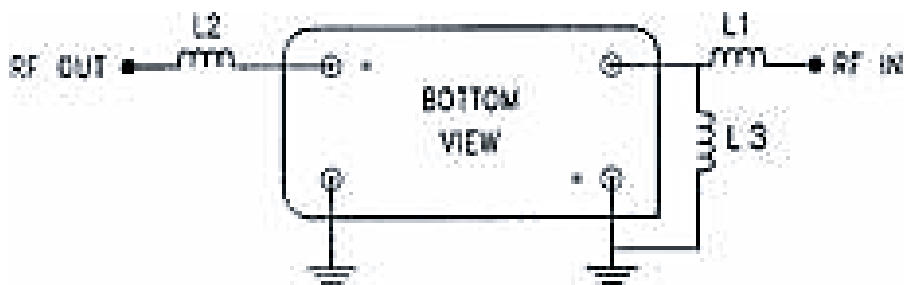
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### Outline Drawing:



### Matching Configuration:



$L1=L2= 68 \text{ nH}$     $L3 = 220 \text{ nH}$

Bottom View

Source/Load Impedance = 50

Ambient Temperature = 25°C



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**Plot:**

