



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

# 140 MHz Saw Filter

## Part Number: AM140S713



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	139.85	140.00	140.15
Insertion Loss at Fo	dB	-	24.00	25.50
Passband Ripple Variation	dB	-	0.75	1.00
Group Delay Variation	nsec	-	100	200
Absolute Delay at Fo	usec	-	3.32	-
Bandwidth at 3.0 dB	MHz	6.20	6.40	-
Bandwidth at 40.0 dB	MHz	-	8.15	8.30
Ultimate Attenuation	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	-

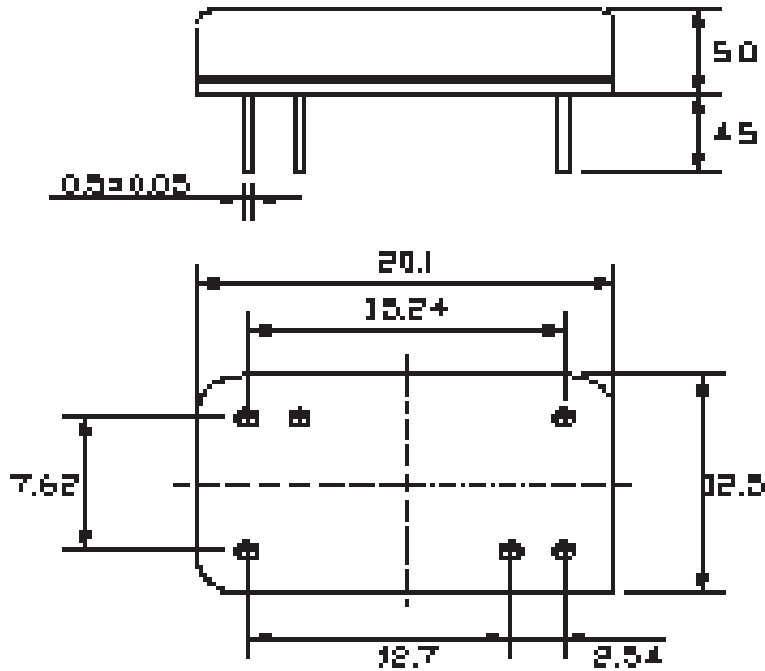


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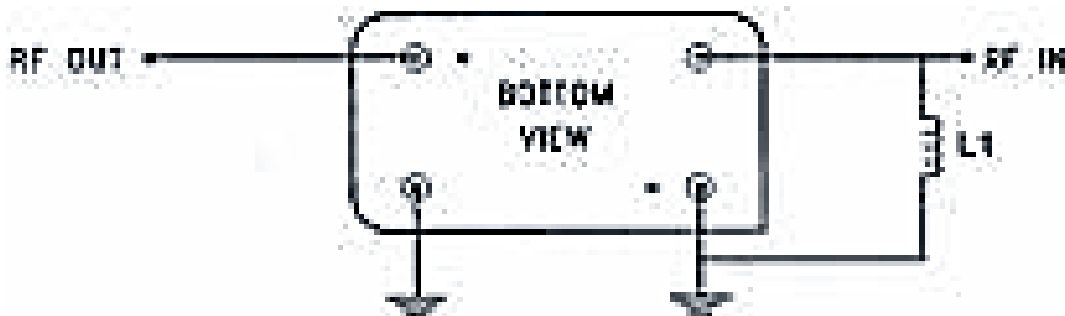
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### Outline Drawing:



### Testing Environment:



L1 = 15 nH

Bottom View

Source/Load Impedance = 50  $\Omega$

Ambient Temperature = 25°C



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## Frequency Response:

