



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

# 140 MHz Saw Filter

## Part Number: AM140S510



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	139.80	140.00	140.20
Insertion Loss at Fo	dB	-	23.5	25.0
Passband Ripple Variation	dB	-	0.65	1.00
Group Delay Variation	nsec	-	20	50
Absolute Delay at Fo	usec	-	1.15	-
Bandwidth at 3.0 dB	MHz	24.00	24.30	-
Bandwidth at 40.0 dB	MHz	-	28.60	29.50
Ultimate Attenuation	dB	50	60	-
Substrate Material	128 LiNbO <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	-

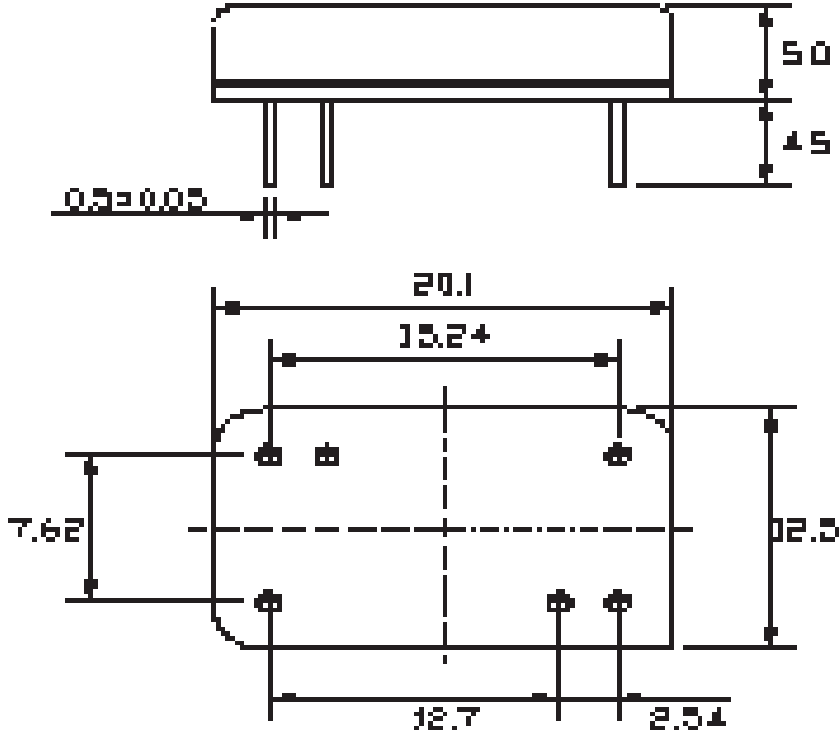


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### Outline Drawing:



### Testing Environment:



Bottom View

Source/Load Impedance = 50 Ω

Ambient Temperature = 25°C



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## Frequency Response:

