



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

140 MHz Saw Filter

Part Number: AM140S418



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	139.85	140.00	140.15
Insertion Loss at Fo	dB	-	23.5	25.0
Passband Ripple Variation	dB	-	0.75	1.00
Group Delay Variation	nsec	-	70	120
Absolute Delay at Fo	usec	-	1.62	-
Bandwidth at 3.0 dB	MHz	14.00	14.20	-
Bandwidth at 40.0 dB	MHz	-	16.70	17.00
Ultimate Attenuation	dB	50	60	-
Substrate Material	128 LiNbO ₃			

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	-

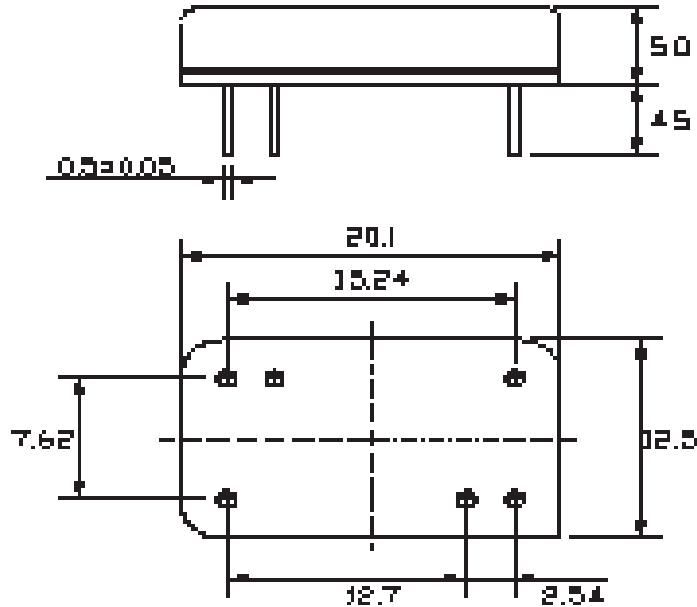


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Outline Drawing:



Testing Environment:



Bottom View

Source/Load Impedance = 50 Ω

Ambient Temperature = 25°C



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Frequency Response:

