



**170 MHz Saw Filter**  
**Part Number: AM170S912**



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	169.9	170.0	170.1
Insertion Loss at Fo	dB	-	25.0	27.0
Group Delay Variation	nsec	-	150	200
Passband Ripple Variation	dB	-	1.0	1.2
Absolute Delay at Fo	µsec	-	2.9	-
Bandwidth at 3.0 dB	MHz	9.3	9.5	-
Bandwidth at 40.0 dB	MHz	-	10.55	10.8
Ultimate Attenuation	dB	45	50	
Substrate Material	YZ LiNbO <sub>3</sub>			

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-40	-	+80
Storage Temperature Range	°C	-45	-	+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	-

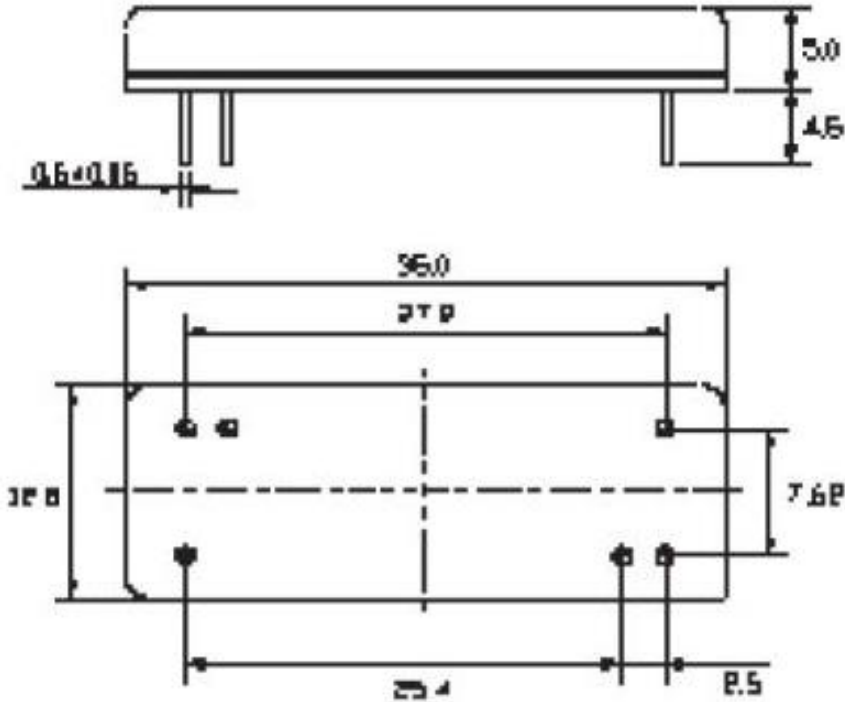


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### Outline Drawing:



### Testing Environment:



Bottom View

Source/Load Impedance = 50Ω

Ambient Temperature = 25°C



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## Frequency Response:

