



80 MHz Saw Filter

Part Number: AM80S815



Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	79.92	80.00	80.08
Insertion Loss at Fo	dB	-	22.0	23.50
Passband Ripple	dB	-	0.75	1.00
Group Delay Variation	nsec	-	150	200
Absolute Delay Time	usec	-	2.82	-
Bandwidth at 3.0 dB	MHz	12.30	12.45	-
Bandwidth at 50.0 dB	MHz	-	13.60	13.70
Ultimate Attenuation	dB	50	55	-
Substrate Material	128 LiNbO ₃			

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

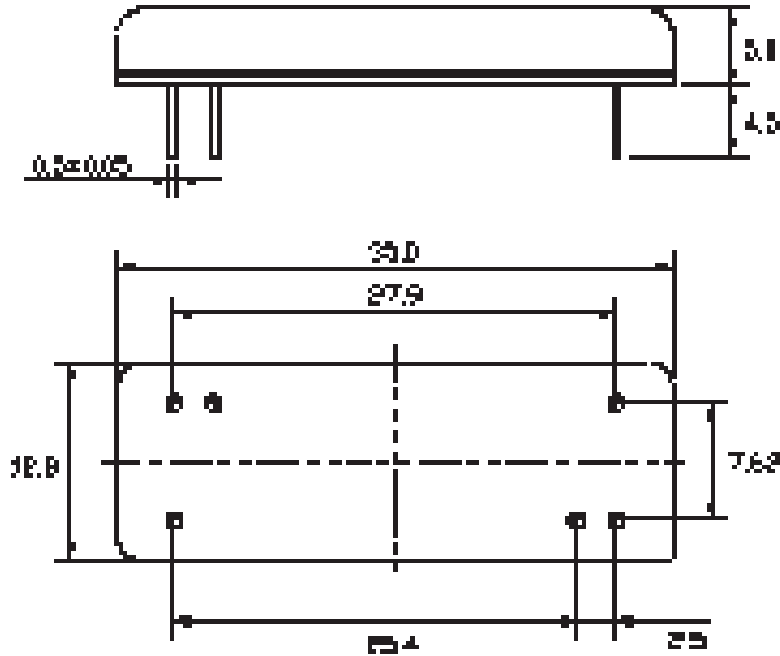


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Outline Drawing:



Matching Configuration:



$$L1 = L2 = 180 \text{ nH} \quad C = 82 \text{ pF}$$

Bottom View

Source/Load Impedance = 50 Ω

Ambient Temperature = 25°C



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Frequency Response:

