

TMX U398

SAW Passband Filter – Remote Control – RF
Preliminary Specification (Rev-3)

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February 07th, 2005

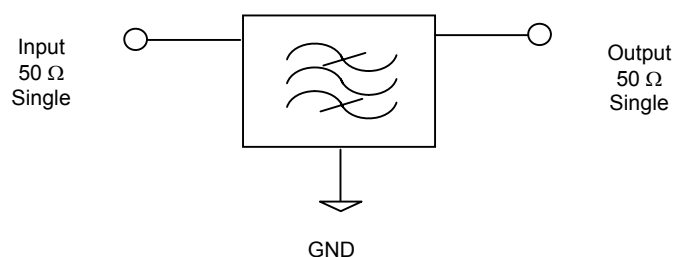
Operating Temperature range : [-30°C ; +80°C]

Electrical Parameters		Unit	Minimum	Typical ⁽¹⁾	Maximum
Source Impedance (single ended)		Ω	-	50 ⁽²⁾	-
Load Impedance (single ended)		Ω	-	50 ⁽²⁾	-
Center Frequency f_0		MHz	-	869	-
Absolute Attenuation					
825 MHz to 828 MHz		dB	40	45	-
846 MHz to 849 MHz		dB	35	40	-
889 MHz to 892 MHz		dB	35	40	-
910 MHz to 913 MHz		dB	40	45	-
Maximum Insertion Loss in 868 MHz-870 MHz		dB	-	3.2	4.5
Ripple in 868 MHz-870 MHz		dB	-	0.2	1.5
Package type & size					
Length x Width		mm ²	-	3.8 x 3.8	-
Height		mm	-	1.3	1.5
Pin Out					
Input	2	Output	5		
Case Ground	1,3,4,6	To Be Grounded	1,3,4,6		

Notes :

- (1) Typical values are nominal performances at room temperature
(2) No external matching circuit is required

50 Ω / 50 Ω CONFIGURATION



Maximum Ratings

Rating	Unit	Value
Operating Temperature Range	-30 to +80	°C
Storage Temperature Range	-40 to +85	°C
DC permissive Voltage	10	V
Input Power	20	dBm

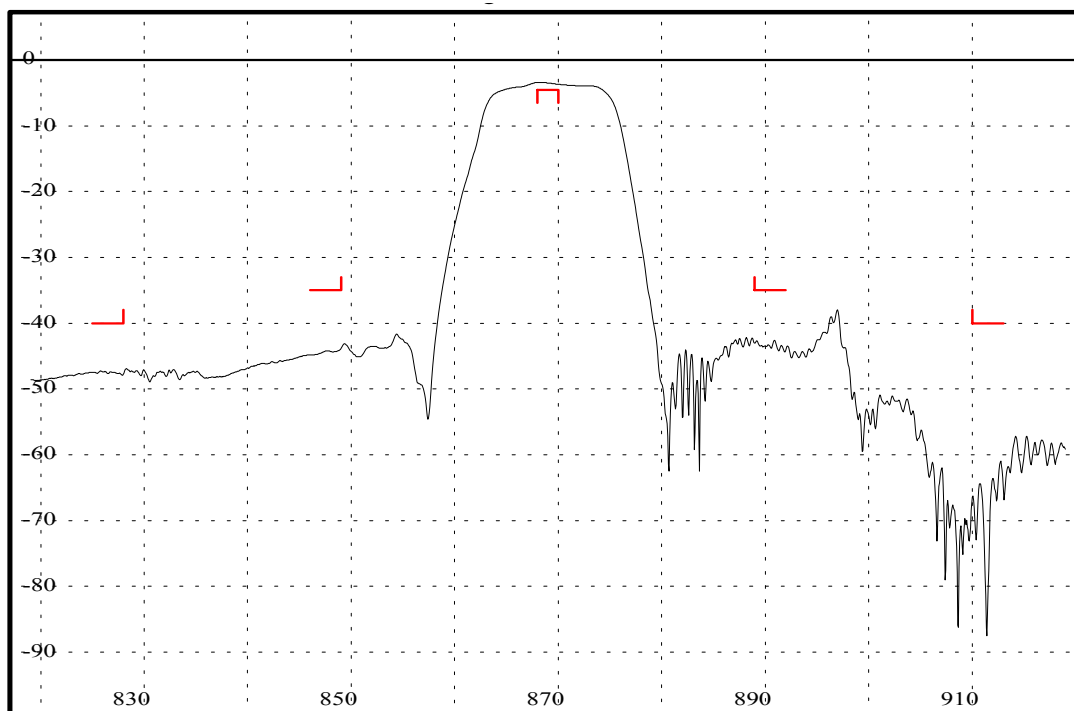
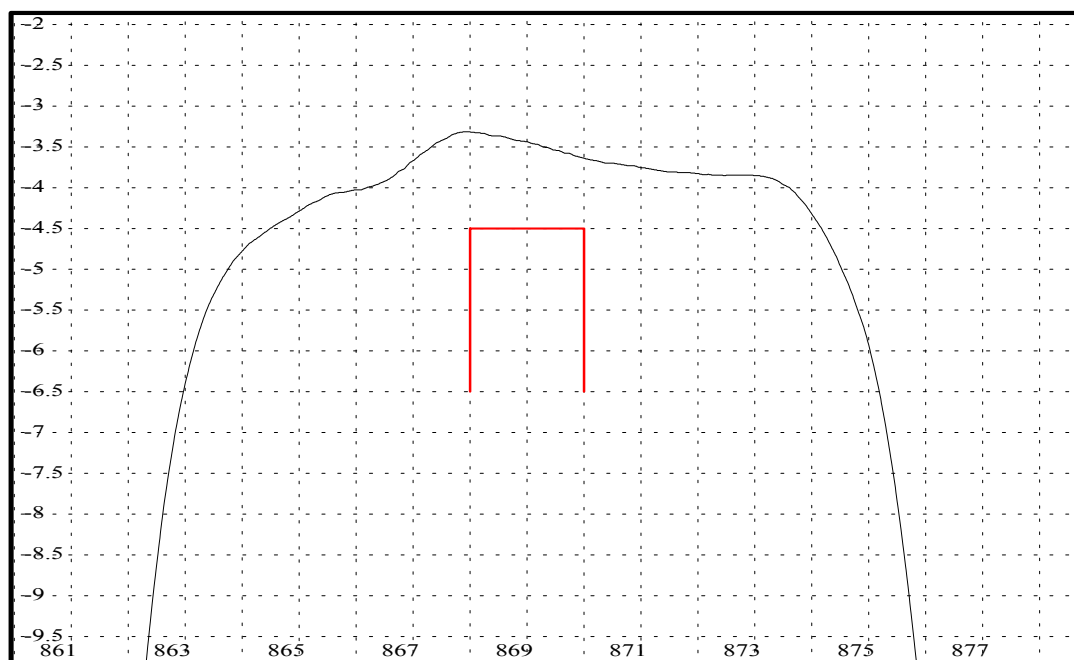
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TYPICAL S21 RESPONSE

Template is linked to specification over [-30; +80°C] temperature range.



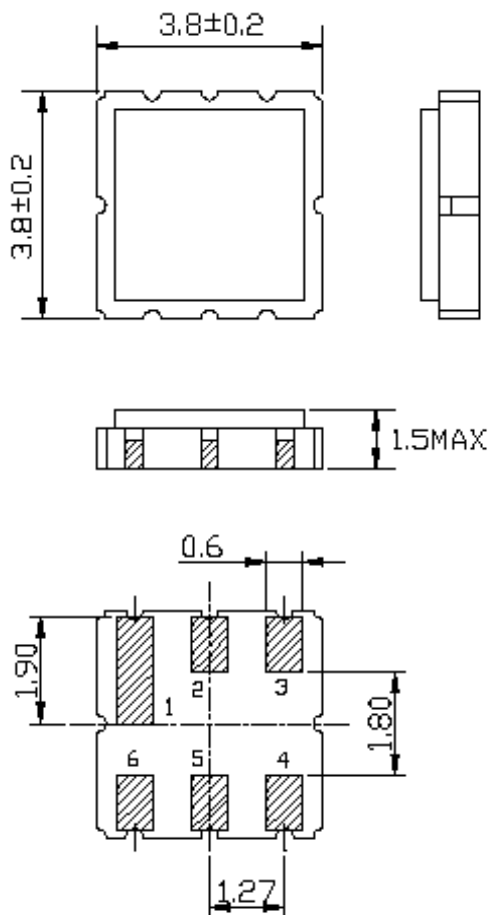
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PACKAGE DRAWING

Unit: mm



Pin No.	Function
2,5	Signal
other	Ground