

# TMX W306

SAW Passband Filter - Remote Control - RF  
*Preliminary Specification (Rev-1)*

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# TMX W306

## SAW PASSBAND Filter – Remote Control - RF Specification (Rev 1)

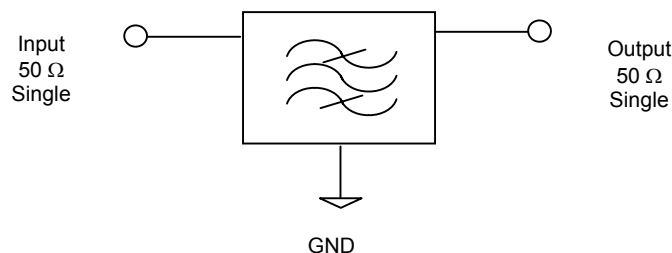
March 17<sup>th</sup>, 2005

Electrical Parameters	Unit	Minimum	Typical <sup>(1)</sup>	Maximum
Source Impedance (single ended)	$\Omega$	-	50 <sup>(2)</sup>	-
Load Impedance (single ended)	$\Omega$	-	50 <sup>(2)</sup>	-
Center Frequency fo	MHz	-	916	-
<b>Absolute Attenuation</b>				
20 MHz to 850 MHz	dB	50	55	-
850 MHz to 900 MHz	dB	40	45	-
900 MHz to 902 MHz	dB	35	40	-
929 MHz to 933 MHz	dB	25	30	-
950 MHz to 1000 MHz	dB	40	50	-
1000 MHz to 1500 MHz	dB	40	45	-
Maximum Insertion Loss in 915 MHz-917 MHz	dB	-	2.8	4.0
Ripple in 915 MHz-917 MHz	dB	-	0.2	1.0
<b>Package type &amp; size</b>				
Length x Width	mm <sup>2</sup>	-	3.0 x 3.0	-
Height	mm	-	1.3	1.35
<b>Pin Out</b>				
Input	1	Output	2	
Case Ground	3	To Be Grounded	3	

**Notes :**

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

### 50 $\Omega$ / 50 $\Omega$ CONFIGURATION



### Maximum Ratings

Rating	Unit	Value
Operating Temperature Range	T <sub>A</sub>	-20 to +50 °C
Storage Temperature Range		-40 to +85 °C
Input Power		15 dBm

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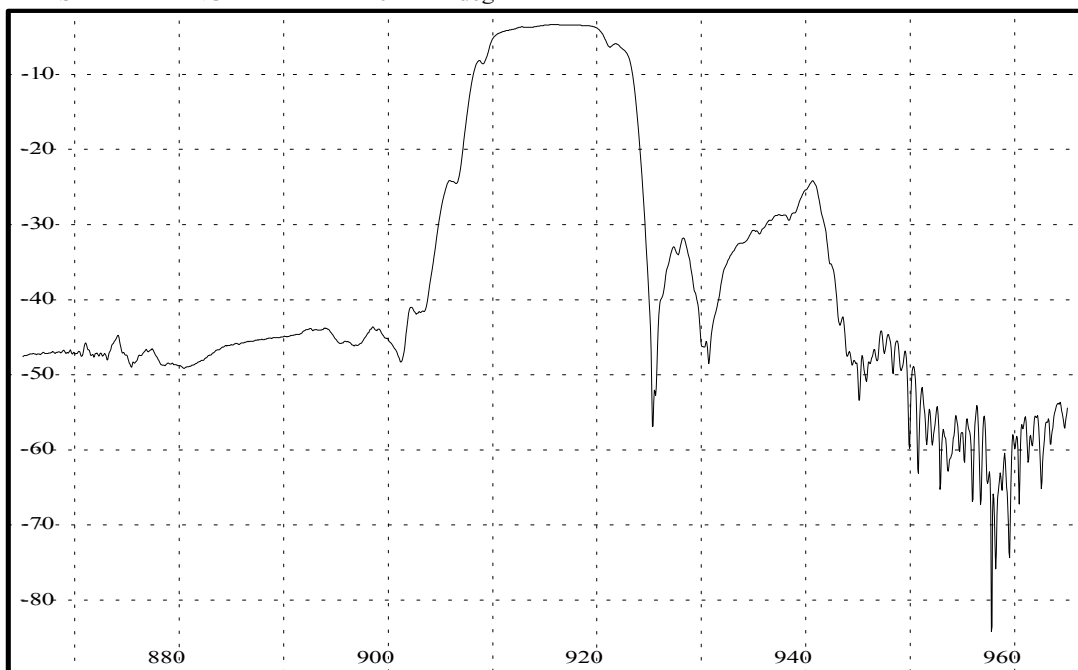
### TYPICAL S21 RESPONSE

**References**

CENTER FREQUENCY = 0 MHz  
 LOSS REFERENCE = 0 dB  
 DELAY REFERENCE = 0 μs  
 PHASE REFERENCE = 0 deg

**Scales**

SCALE\_FREQUENCY = 10 MHz/div



### PACKAGE DRAWING

