

# TMX U396

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

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

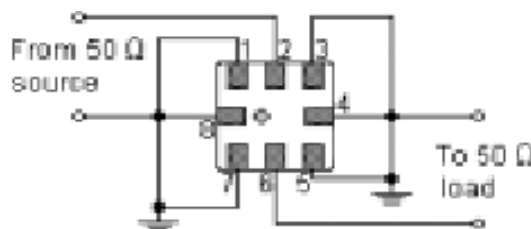
February 07<sup>th</sup>, 2005

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	-	345	-
<b>Relative Attenuation (relative to IL)</b>				
From 10.0 MHz to 320.0 MHz	dB	48	53	-
From 320.0 MHz to 325.0 MHz	dB	41	47	-
From 325.0 MHz to 337.0 MHz	dB	32	39	-
From 337.0 MHz to 339.0 MHz	dB	26	31	-
From 351.0 MHz to 358.0 MHz	dB	13	16	-
From 358.0 MHz to 370.0 MHz	dB	35	39	-
From 370.0 MHz to 700.0 MHz	dB	47	52	-
From 700.0 MHz to 1000.0 MHz	dB	40	45	-
Insertion Loss in [344.60 MHz – 345.40 MHz]	dB	-	2.5	4.0
Amplitude Ripple in [344.60 MHz – 345.40 MHz]	dB	-	0.5	1.5
<b>Package type &amp; size</b>				
Length x Width	mm <sup>2</sup>	-	3.8 x 3.8	-
Height	mm	-	1.3	1.5
<b>Pin Out</b>				
Input	2	Output	6	
Input Ground	1, 3	Output Ground	5, 7	
To Be Grounded	4, 8			

**Notes :**

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

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



### Maximum Ratings

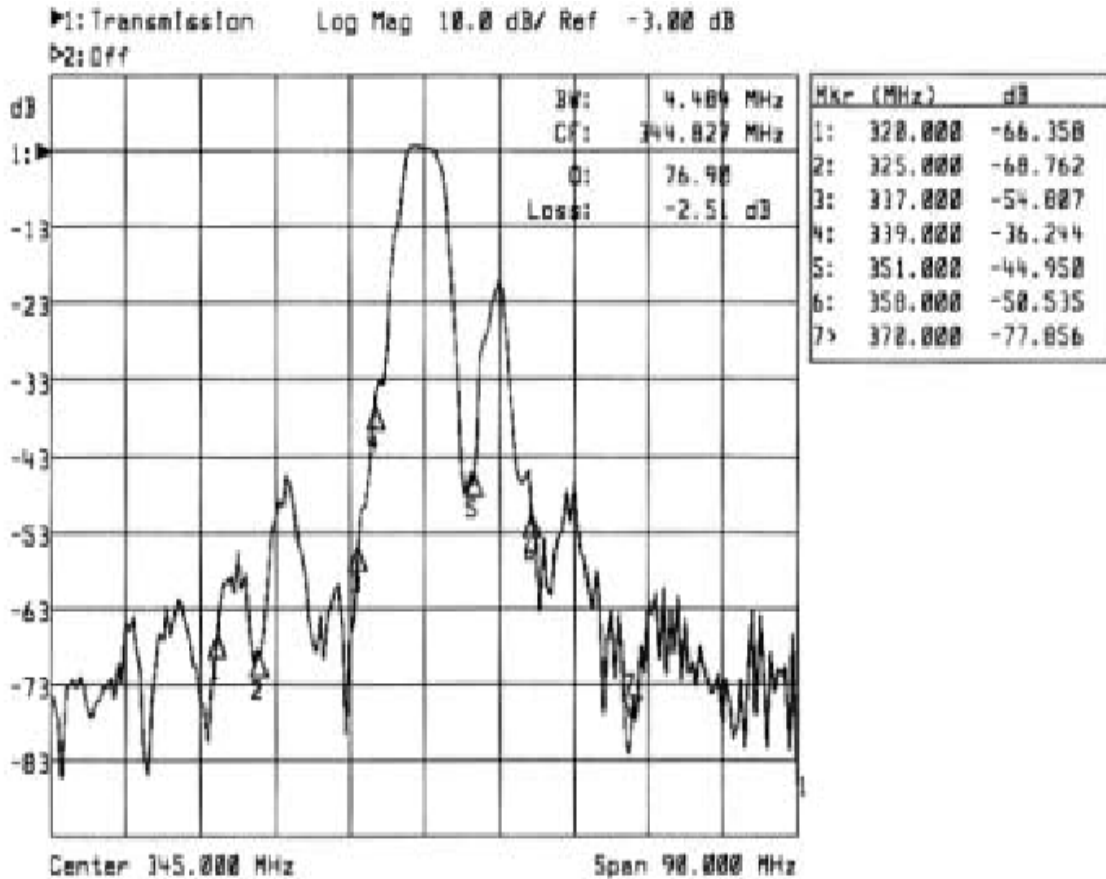
Rating	Unit	Value
Operating Temperature Range	-20 to +85	°C
Storage Temperature Range	-40 to +90	°C
DC Voltage	0	V
Input Power	18	dBm

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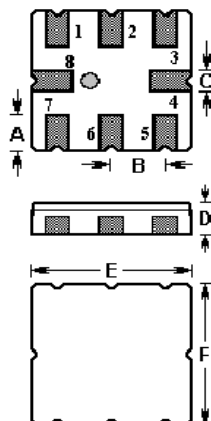
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## TYPICAL S21 RESPONSE



## PACKAGE DRAWING



Sign	Data (unit: mm)	Sign	Data (unit: mm)
A	1.00	D	1.50
B	1.27	E	3.80
C	0.60	F	3.80