



# TMX W403

SAW Bandpass Filter – Digital TV Application  
*Specification (Rev-1)*

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# TMX W403

## SAW Bandpass Filter – DVB-C Preliminary Specification (Rev 1)

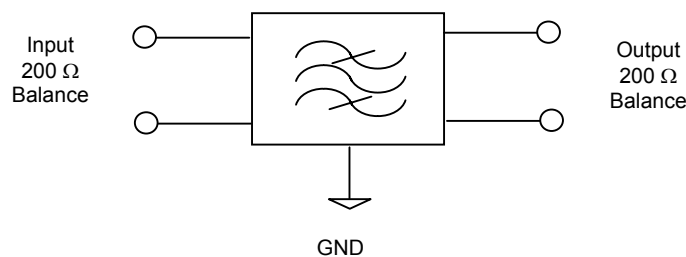
March 2<sup>nd</sup>, 2005

Electrical Parameters	Unit	Minimum	Typical <sup>(1)</sup>	Maximum
Source Impedance (balance)	$\Omega$	-	200	-
Load Impedance (balance)	$\Omega$	-	200	-
Center Frequency $f_0$	MHz	-	1220	-
<b>Absolute Attenuation</b>				
DC to 1150 MHz	dB	50	60	-
1150 MHz to 1184 MHz	dB	45	50	-
1290 MHz to 2000 MHz	dB	50	55	-
Maximum Insertion Loss in 1216 MHz - 1224 MHz	dB	-	4.2	4.9
Amplitude Ripple in 1216 MHz - 1224 MHz	dB	-	0.8	1.4
Group Delay Ripple in 1216 MHz - 1224 MHz	ns	-	15	20
Input VSWR		-	1.6	2.0
Output VSWR		-	1.6	2.0
<b>Package type &amp; size</b>				
Length x Width	mm <sup>2</sup>	-	3.8 x 3.8	-
Height				1.35
<b>Pin Out</b>				
Input	1, 2	Output	5, 6	
Case Ground	3, 4, 7, 8	To Be Grounded	3, 4, 7, 8	

**Notes :**

(1) Typical values are nominal performances at room temperature

### 200 $\Omega$ / 200 $\Omega$ CONFIGURATION



### Maximum Ratings

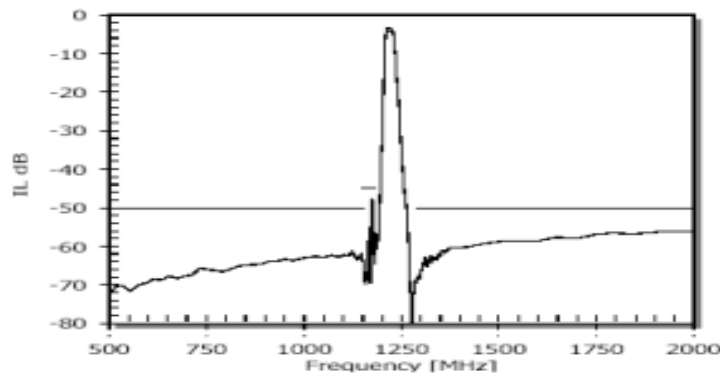
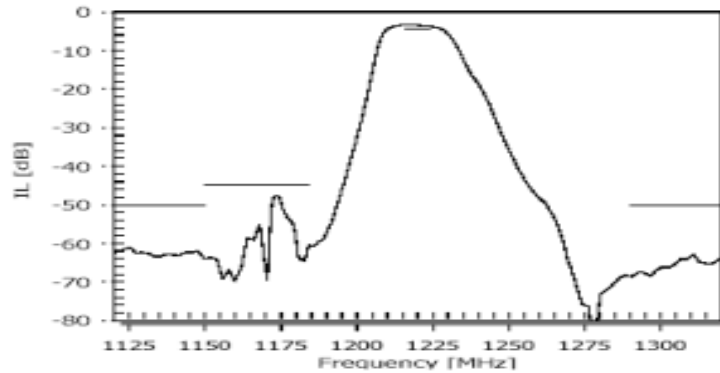
Rating	Unit	Value
Operating Temperature Range $T_A$	-40 to +85	$^{\circ}\text{C}$
Storage Temperature Range	-40 to +100	$^{\circ}\text{C}$
Maximum DC Voltage	5	V

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## TYPICAL S21 RESPONSE



## PACKAGE DRAWING

Unit: mm

