

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)

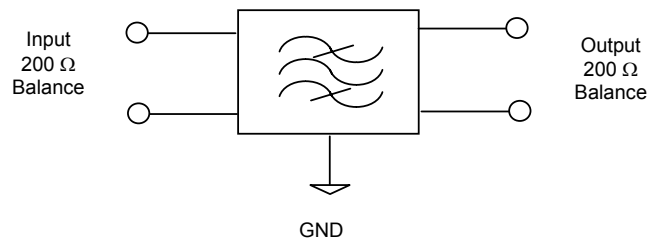
March 2nd, 2005

Electrical Parameters	Unit	Minimum	Typical ⁽¹⁾	Maximum
Source Impedance (balance)	Ω	-	200	-
Load Impedance (balance)	Ω	-	200	-
Center Frequency f_0	MHz	-	1220	-
Absolute Attenuation				
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
Package type & size				
Length x Width	mm ²	-	3.8 x 3.8	-
Height				1.35
Pin Out				
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 Ω / 200 Ω CONFIGURATION



Maximum Ratings

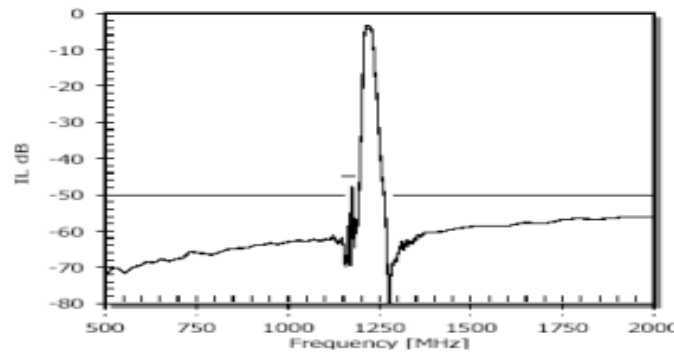
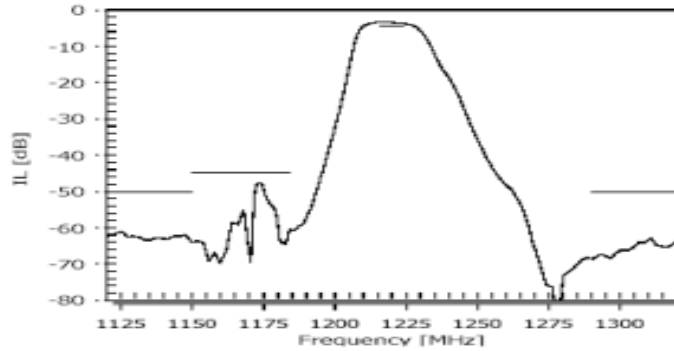
Rating	Unit	Value
Operating Temperature Range T_A	-40 to +85	$^{\circ}\text{C}$
Storage Temperature Range	-40 to +100	$^{\circ}\text{C}$
Maximum DC Voltage	5	V

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TYPICAL S21 RESPONSE



PACKAGE DRAWING

Unit: mm

