



TMX W404

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

▣ Technical overview	P01
▣ Configuration	P01
▣ Package Drawing	P02

TMX W404

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

March 2nd, 2005

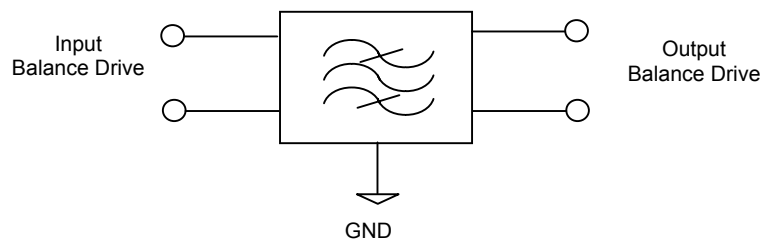
Operating Temperature Range: [-10°C to +85°C]

Electrical Parameters	Unit	Minimum	Typical ⁽¹⁾	Maximum
Source Impedance (balance drive)	ΩnH	-	200 39	-
Load Impedance (balance drive)	ΩnH	-	200 39	-
Center Frequency f_0	MHz	-	1120	-
Absolute Attenuation				
500 to 860 MHz	dB	50	55	-
1000 MHz to 1065 MHz	dB	55	60	-
1180 MHz to 1200 MHz	dB	32	38	-
2050 MHz to 2200 MHz	dB	48	53	-
Attenuation relative to IL at 1028 MHz	dB	58	62	-
Maximum Insertion Loss in 1104 MHz - 1136 MHz	dB	-	3.5	4.0
Amplitude Ripple in 1104 MHz - 1136 MHz	dB	-	0.5	1.0
Group Delay Ripple in 1104 MHz - 1136 MHz	ns	-	12	-
Return Loss	dB	14	-	-
Input Balance ($S_{11} = S_{22}$) in 1104 MHz - 1136 MHz	%	-	± 10	-
Output Balance ($S_{11} = S_{22}$) in 1104 MHz - 1136 MHz	%	-	± 10	-
Phase Shift ($S_{31} = S_{42}$) in 1104 MHz - 1136 MHz	°	-	2	-
Package type & size				
Length x Width	mm ²	-	3.8 x 3.8	-
Height	mm	-	1.3	1.5
Pin Out				
Input	1, 2	Output	5, 6	
Case Ground	4, 8	To Be Grounded	3, 7	

Notes :

(1) Typical values are nominal performances at room temperature

CONFIGURATION



TMX W404

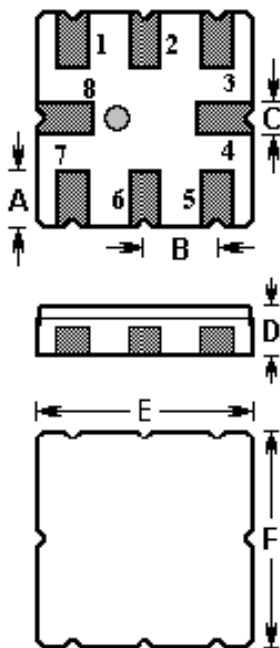
SAW Bandpass Filter – Digital TV Application Tentative Specification (Rev 1)

March 2nd, 2005

Maximum Ratings

Rating	Unit	Value
Operating Temperature Range	T _A	-40 to +85 °C
Storage Temperature Range		-40 to +85 °C
Source Power		0 dBm
DC Voltage		0 V

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