



TMX W304

SAW Passband Filter – Broadband - RF
Preliminary Specification (Rev-1)

■ Technical overview	P01
■ Matching Network Configurations	P02
■ Typical Response (Measurement)	P02
■ Package Drawing	P03

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Electrical Parameters	Unit	Minimum	Typical ⁽¹⁾	Maximum
Source Impedance (single ended or balance drive)	Ω	-	50 or 200	-
Load Impedance (single ended or balance drive)	Ω	-	50 or 200	-
Center Frequency fo	MHz	-	374	-
Absolute Attenuation				
274 MHz to 324 MHz	dB	48	52	-
324 MHz to 352 MHz	dB	40	44	-
352 MHz to 357.5 MHz	dB	30	42	-
390.5 MHz to 396 MHz	dB	30	38	-
396 MHz to 417 MHz	dB	33	38	-
417 MHz to 474 MHz	dB	40	45	-
Insertion Loss	dB	-	8.5	10.0
3 dB Bandwidth	MHz	17	21	-
Ripple in fo \pm 7 MHz	dB	-	0.6	1.5
Group Delay in fo \pm 7 MHz	ns	-	40	100
Triple transist suppression	dB	30	40	-
Package type & size				
Length x Width	mm ²	-	5.0 x 5.0	-
Height	mm	-	1.3	1.5
Pin Out				
Input	3 or 3, 2	Output	7 or 7, 6	
Case Ground	4, 8	To Be Grounded	1, 5	

Notes :

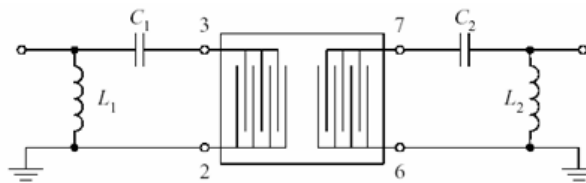
(1) Typical values are nominal performances at room temperature

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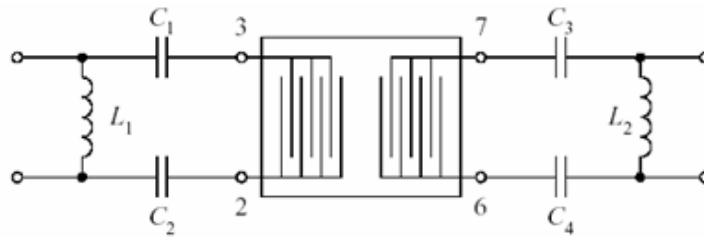
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50 Ω / 50 Ω CONFIGURATION



$C_1=27 \text{ pF}; L_1=10 \text{ nH}; C_2=33 \text{ pF}; L_2=10 \text{ nH}$

200 Ω / 200 Ω CONFIGURATION



$C_1 = C_2=18 \text{ pF}; L_1=18 \text{ nH}; C_3 = C_4=18 \text{ pF}; L_2=18 \text{ nH}$

Maximum Ratings

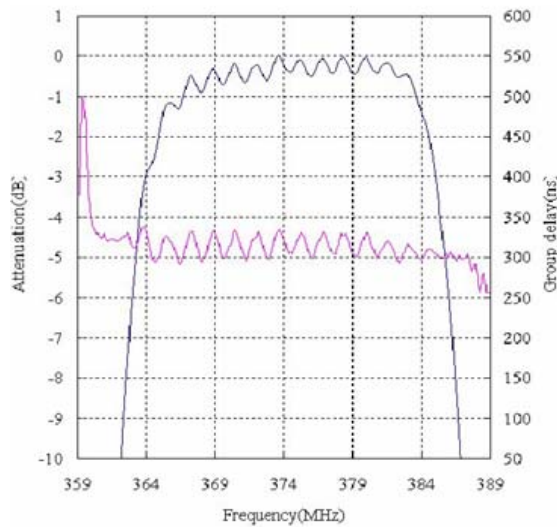
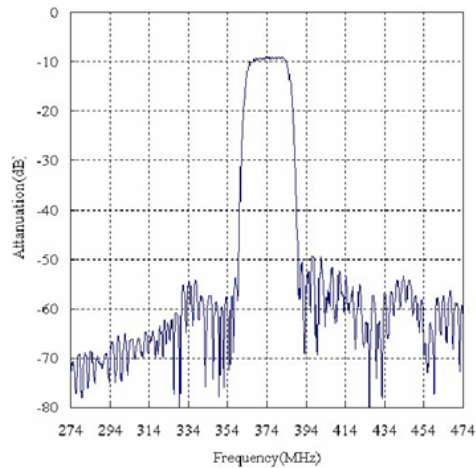
Rating		Unit	Value
Operating Temperature Range	T_A	-10 to +80	°C
Storage Temperature		-40 to +85	°C
Input Power		10	dBm

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TYPICAL S21 RESPONSE



PACKAGE DRAWING

