

TMX W317

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

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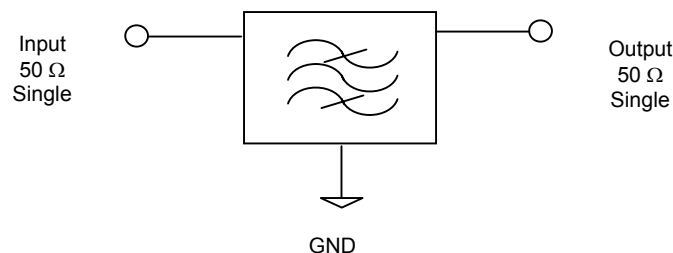
May 10th, 2005

Electrical Parameters	Unit	Minimum	Typical ⁽¹⁾	Maximum
Source Impedance (single ended)	Ω	-	50 ⁽²⁾	-
Load Impedance (single ended)	Ω	-	50 ⁽²⁾	-
Center Frequency fo	MHz	-	942.5	-
Absolute Attenuation				
DC to 905 MHz	dB	17	21	-
905 MHz to 915 MHz	dB	5.0	15	-
980 MHz to 1000 MHz	dB	13	30	-
1000 MHz to 2000 MHz	dB	20	23	-
Insertion Loss within 925 MHz ~ 960 MHz	dB	-	2.2	3.0
VSWR within 925 MHz ~ 960 MHz		-	2.2	2.7
Ripple within 925 MHz ~ 960 MHz	dB	-	0.8	1.5
Package type & size				
Length x Width	mm ²	-	3.0 x 3.0	-
Height	mm	-	1.1	1.4
Pin Out				
Input	B	Output	E	
Case Ground	A, C, D, F	To Be Grounded	A, C, D, F	

Notes :

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

50 Ω / 50 Ω CONFIGURATION



Maximum Ratings

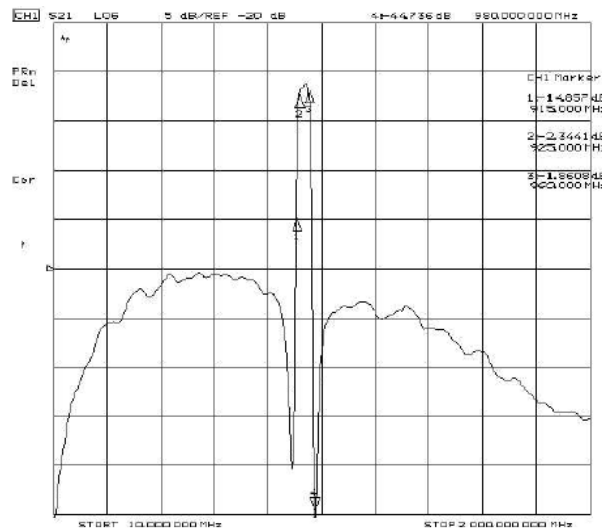
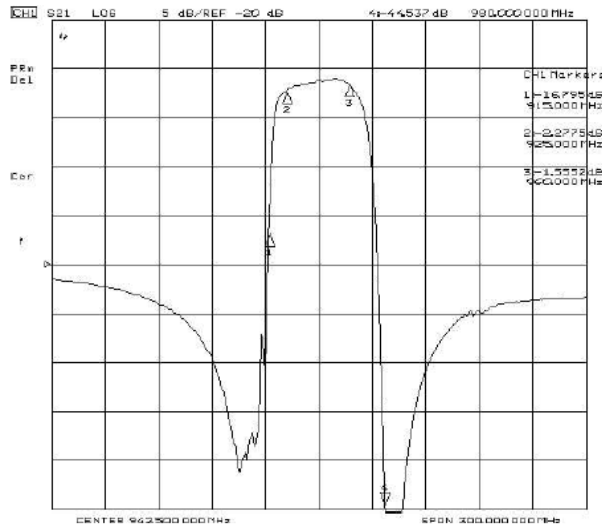
Rating	Unit	Value
Operating Temperature Range	-30 to +85	$^{\circ}\text{C}$
Storage Temperature Range	-40 to +85	$^{\circ}\text{C}$
DC permissive Voltage	0	V
Maximum RF Power	10	dBm

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TYPICAL S21 RESPONSE



PACKAGE DRAWING

