



TMX W310

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

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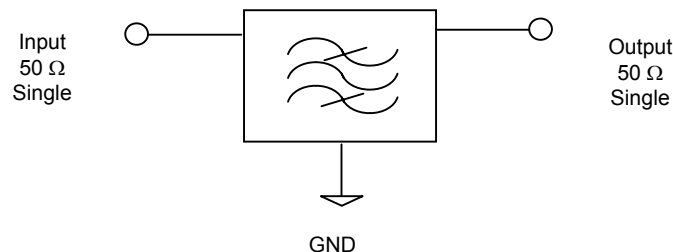
May 10th, 2005

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	-	2140	-
Absolute Attenuation					
DC to 500 MHz		dB	21	33	-
500 MHz to 1900 MHz		dB	20	28	-
1900 MHz to 2050 MHz		dB	25	30	-
2215 MHz to 2300 MHz		dB	20	32	-
2300 MHz to 4500 MHz		dB	25	32	-
Insertion Loss within 2110 MHz ~ 2170 MHz		dB	-	2.1	3.5
VSWR within 2110 MHz ~ 2170 MHz			-	1.9	2.2
Ripple within 2110 MHz ~ 2170 MHz		dB	-	0.6	2.0
Package type & size					
Length x Width		mm ²	-	3.0 x 3.0	-
Height		mm	-	1.0	1.2
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

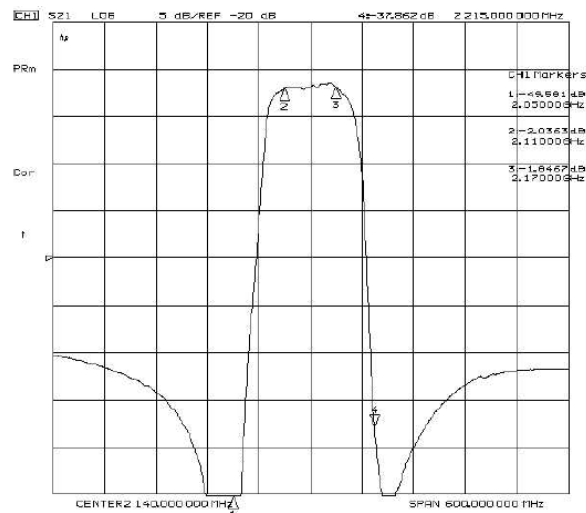
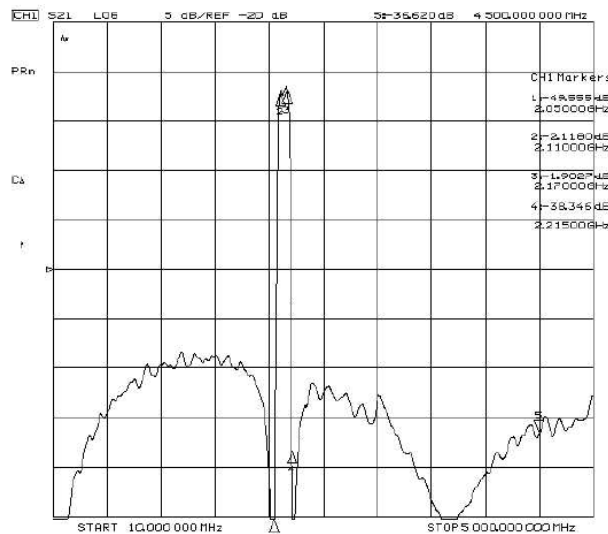
Rating	Unit	Value
Operating Temperature Range	-30 to +80	°C
Storage Temperature Range	-40 to +85	°C
DC permissive Voltage	0	V
Maximum RF Power	13	dBm

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TYPICAL S21 RESPONSE



PACKAGE DRAWING

