

# TMX W319

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

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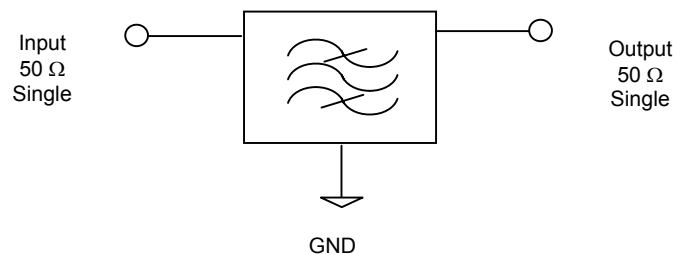
May 10<sup>th</sup>, 2005

Electrical Parameters	Unit	Minimum	Typical <sup>(1)</sup>	Maximum
Source Impedance (single ended)	$\Omega$	-	50 <sup>(2)</sup>	-
Load Impedance (single ended)	$\Omega$	-	50 <sup>(2)</sup>	-
Center Frequency fo	MHz	-	902.5	-
<b>Absolute Attenuation</b>				
DC to 845 MHz	dB	45	51	-
925 MHz to 935 MHz	dB	5	21	-
935 MHz to 980 MHz	dB	25	28	-
980 MHz to 1200 MHz	dB	50	56	-
1200 MHz to 3000 MHz	dB	25	18	-
Insertion Loss within 890 MHz ~ 915 MHz	dB	-	2.9	3.5
Ripple within 890 MHz ~ 915 MHz	dB	-	0.5	1.5
VSWR within 890 MHz ~ 915 MHz		-	1.5	2.3
<b>Package type &amp; size</b>				
Length x Width	mm <sup>2</sup>	-	3.0 x 3.0	-
Height	mm	-	1.1	1.4
<b>Pin Out</b>				
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  $\Omega$  / 50  $\Omega$  CONFIGURATION**



**Maximum Ratings**

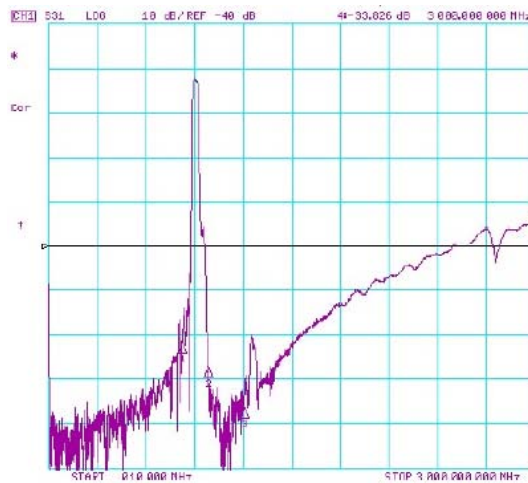
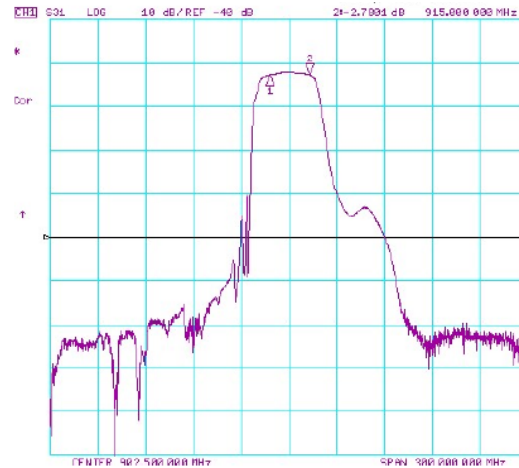
Rating	Unit	Value
Operating Temperature Range	-25 to +75	$^{\circ}\text{C}$
Storage Temperature Range	-40 to +85	$^{\circ}\text{C}$
DC permissive Voltage	0	V
Maximum RF Power	10	dBm

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## TYPICAL S21 RESPONSE



## PACKAGE DRAWING

