



# TMX W328

SAW Front-End Filter – GSM Rx – RF  
*Specification (Rev-1)*

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# TMX W328

## SAW Bandpass Filter – GSM Rx - RF Specification (Rev 1)

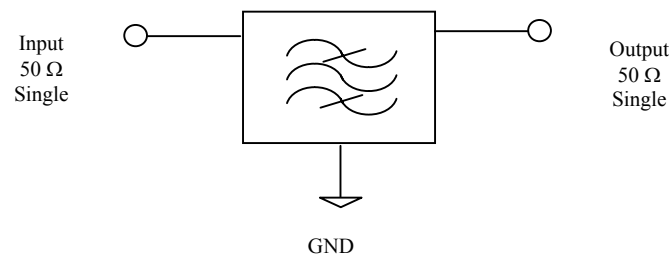
April 15<sup>th</sup>, 2005

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 $f_0$	MHz	-	942.5	-
<b>Absolute Attenuation</b>				
From 0 MHz to 880 MHz	dB	45	60	-
From 880 MHz to 905 MHz	dB	35	40	-
From 905 MHz to 915 MHz	dB	15	20	-
From 980 MHz to 982 MHz	dB	20	25	-
From 982 MHz to 1005 MHz	dB	23	26	-
From 1005 MHz to 1025 MHz	dB	30	38	-
From 1025 MHz to 1035 MHz	dB	35	40	-
From 1035 MHz to 1760 MHz	dB	40	50	-
From 1760 MHz to 2500 MHz	dB	30	40	-
Insertion Loss within 925 MHz – 960 MHz	dB	-	3.8	4.5
Passband Width	dB	-	35	-
<b>Package type &amp; size</b>				
Length x Width	mm <sup>2</sup>	-	3.0 x 3.0	-
Height	mm	-	1.3	1.5
<b>Pin Out</b>				
Input	2	Output	5	
Case Ground	1, 3, 4, 6	To Be Grounded	1, 3, 4, 6	

**Notes :**

- (1) Typical values are nominal performances at room temperature
- (2) No External matching circuit is required (see drawing hereunder)

### 50 $\Omega$ / 50 $\Omega$ Configuration



### Maximum Ratings

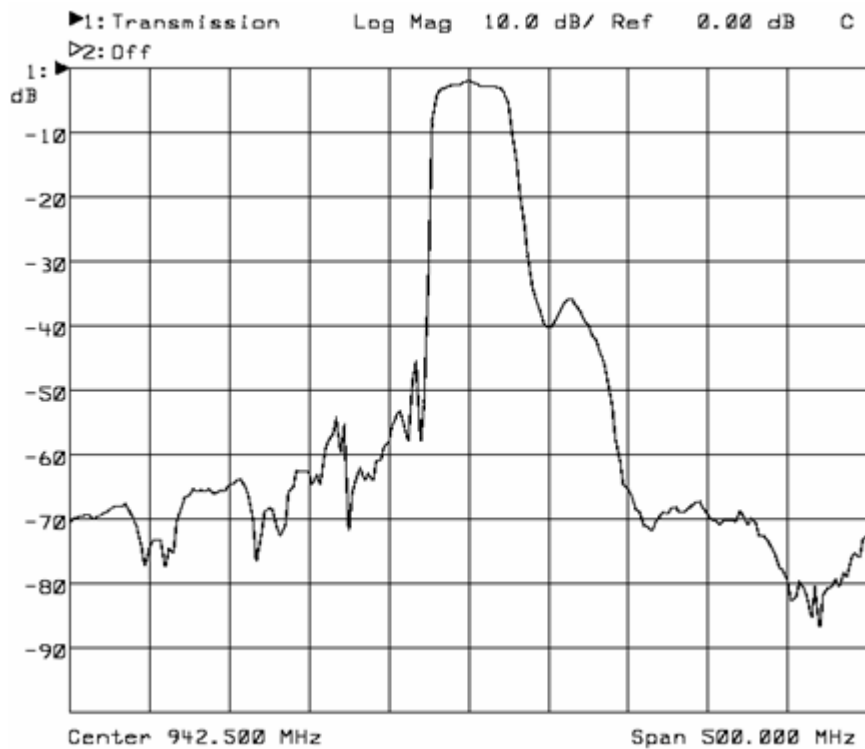
Rating		Unit	Value
Operating Temperature Range	$T_A$	-20 to +70	$^{\circ}\text{C}$
Storage Temperature Range	$T_{stq}$	-40 to +85	$^{\circ}\text{C}$
DC Voltage	$V_{DC}$	10	V
Input Power		10	dBm

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## TYPICAL S21 RESPONSE



## PACKAGE DRAWING

