

TMX W329

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

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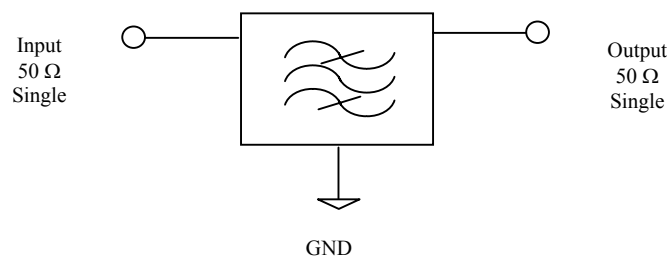
May 20th, 2005

Electrical Parameters	Unit	Minimum	Typical ⁽¹⁾	Maximum
Source Impedance (single ended)	Ω	-	50 ⁽²⁾	-
Load Impedance (single ended)	Ω	-	50 ⁽²⁾	-
Center Frequency f_0	MHz	-	942.5	-
Absolute Attenuation				
From 100 MHz to 740 MHz	dB	20	25	-
From 740 MHz to 880 MHz	dB	30	35	-
From 880 MHz to 905 MHz	dB	25	35	-
From 905 MHz to 915 MHz at 25°C	dB	15	20	-
From 980 MHz to 1005 MHz	dB	20	25	-
From 1005 MHz to 1080 MHz	dB	22	25	-
From 1080 MHz to 2400 MHz	dB	20	28	-
Insertion Loss within 925 MHz – 960 MHz	dB	-	3.0	3.5
Passband Width	dB	-	35	-
Package type & size				
Length x Width	mm ²	-	3.0 x 3.0	-
Height	mm	-	1.3	1.5
Pin Out				
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 Ω / 50 Ω Configuration



Maximum Ratings

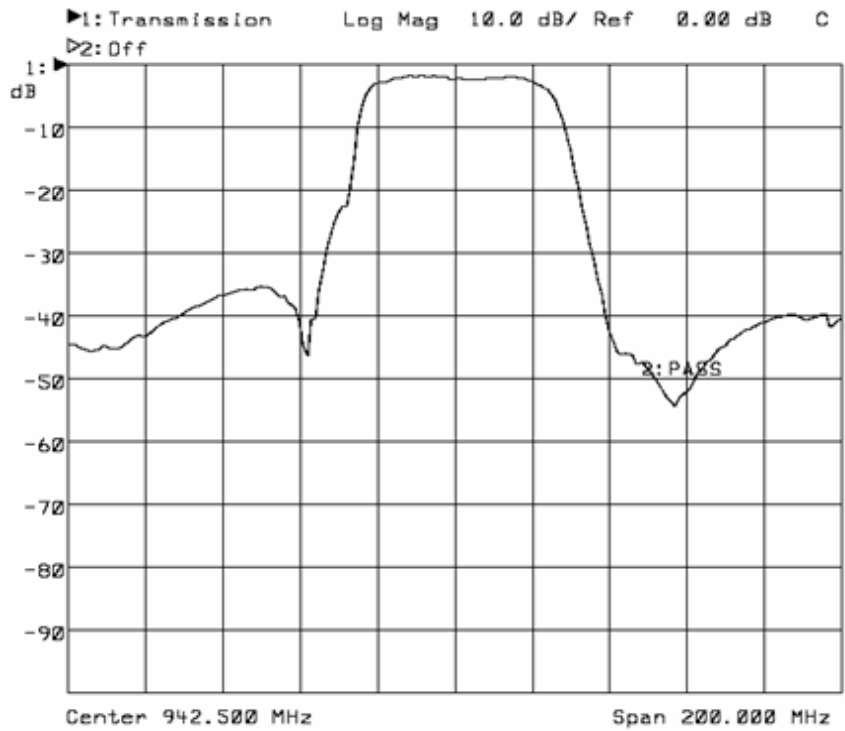
Rating		Unit	Value
Operating Temperature Range	T_A	-20 to +70	°C
Storage Temperature Range	T_{stg}	-40 to +85	°C
DC Voltage	V_{DC}	10	V
Input Power		10	dBm

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TYPICAL S21 RESPONSE



PACKAGE DRAWING

