

TMX W316

SAW Bandpass Filter – eGSM Rx – RF
Specification (Rev 2)

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September 25th, 2005

Technical Characteristics

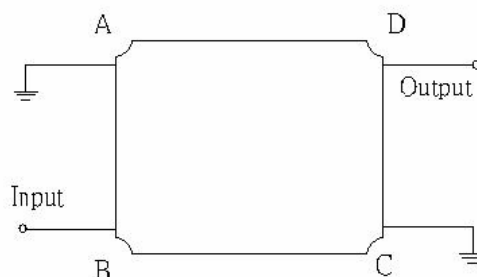
Reference Temperature : +25°C

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	-
Bandwidth at -3 dB	MHz	35	-	-
Absolute attenuation				
DC to 750 MHz	dB	50	60	-
750 MHz to 880 MHz	dB	43	50	-
880 MHz to 905 MHz	dB	31	42	-
980 MHz to 1005 MHz	dB	21	28	-
1005 MHz to 1025 MHz	dB	28	33	-
1025 MHz to 1035 MHz	dB	35	49	-
1035 MHz to 1760 MHz	dB	40	50	-
1760 MHz to 3000 MHz	dB	25	31	-
Insertion Loss within 925 MHz ~ 960 MHz	dB	-	3.0	4.0
VSWR within 925 MHz ~ 960 MHz		-	2.0	2.6
Ripple within 925 MHz ~ 960 MHz	dB	-	1.3	2.3

Notes :

- (1) Typical values are nominal performances at room temperature.
- (2) No external matching network is required.
- (3) The amplitude variation is defined as the maximum level – minimum level over the given bandwidth.

Matching Network



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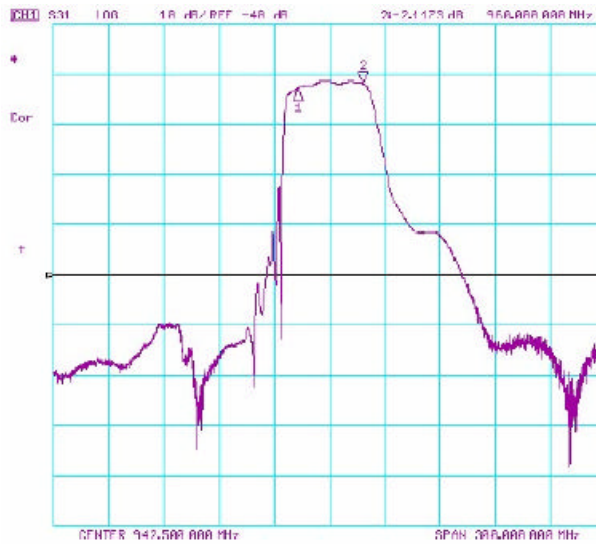
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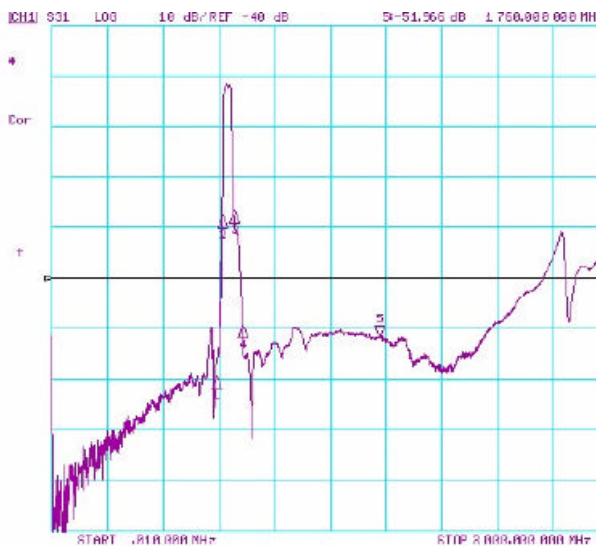
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Nominal Frequency Response (Measurements)

Frequency Response



Frequency Response



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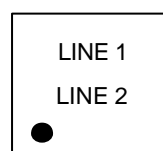
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Maximum Ratings

Operating Temperature Range	°C	[-30°C ; +80°C]
Storage Temperature Range	°C	[-40°C ; +85°C]
DC voltage between any two pins	V	0
Input Power Level	dBm	15

Marking



Line 1: "P C" with P for the code product identification and C for the partner identifier

Line 2: "Y W" with Y for the last digit of the year and W for the week code (A to Z for the week 1 to 26 and a to z for the week 27 to 52).

Packaging

1. Temex label
2. ESD Prevention label
3. Pb free label (if applicable)

