



TMX W231

SAW Bandpass Filter – BASE STATION – Tx RF
Preliminary Specification (Rev-)

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June 3rd, 2005

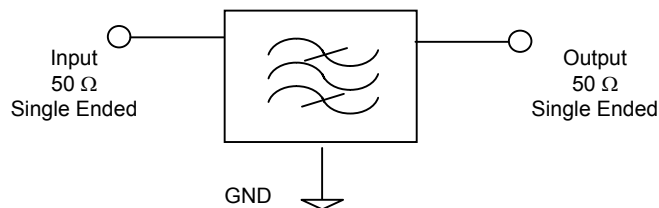
Operating temperature range : [0°C; +85°C]

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	-	2312.5	-
Attenuation absolute				
500 kHz to 250 MHz	dB	40	50	-
250 MHz to 2200 MHz	dB	35	42	-
2375 MHz to 2600 MHz	dB	35	43	-
2600 MHz to 4000 MHz	dB	30	35	-
Maximum Insertion Loss in 2305 MHz – 2320 MHz	dB	-	2.0	3.0
Amplitude Variation in any 1.25 MHz segment of 2305 MHz – 2320 MHz	dB	-	0.5	0.8
Group Delay Variation in 2305 MHz – 2320 MHz	ns	-	7.0	50
Input / Output VSWR in 2305 MHz – 2320 MHz	-	-	1.5 :1	2.0 :1
Input Power (CW in 2305 MHz – 2320 MHz)	dBm	-	-	15
Package type & size				
Length x Width	mm ²	-	3.8 x 3.8	
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	

Note :

- (1) Typical values are nominal performances at room temperature
- (2) No external matching circuit is required

INPUT 50 Ω / OUTPUT 50 Ω CONFIGURATION



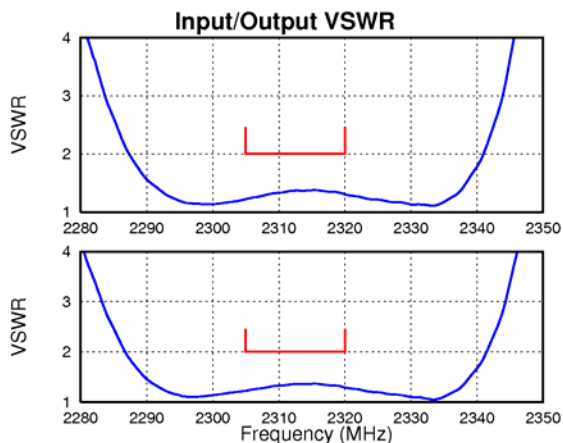
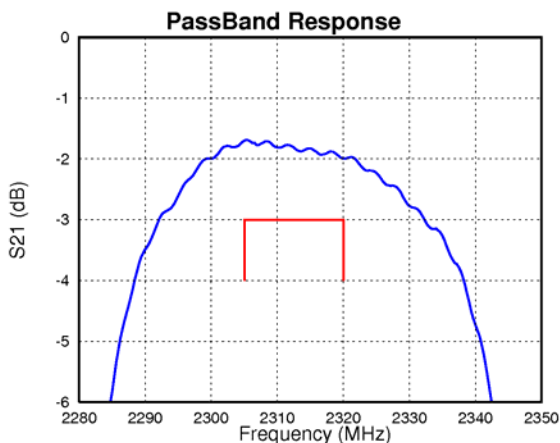
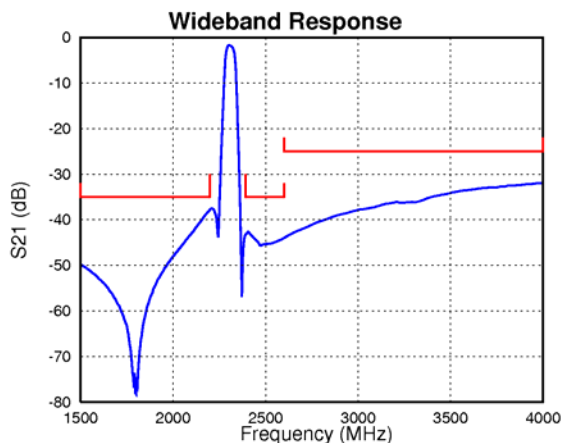
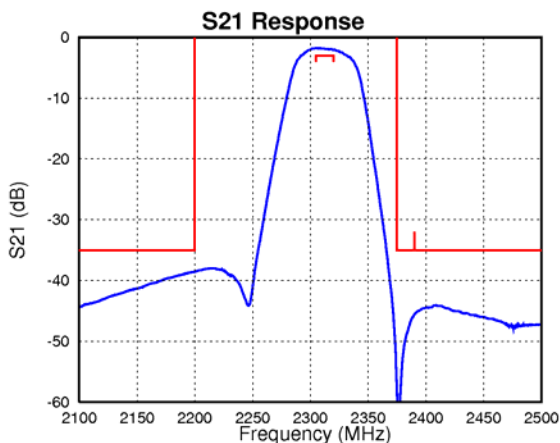
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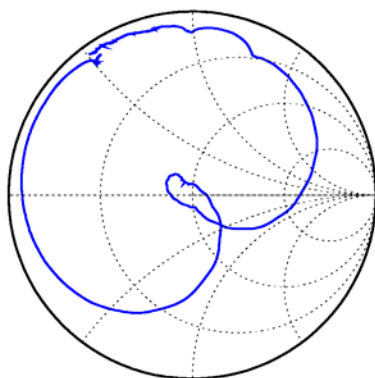
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TYPICAL RESPONSE

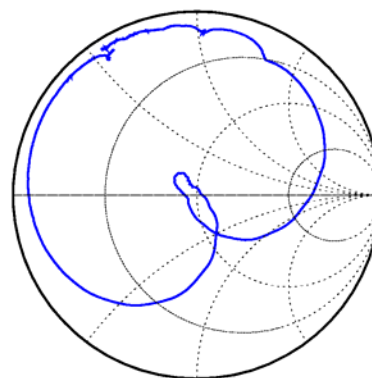
Template is linked to specification over the whole temperature range



Input Smith



Output Smith



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PACKAGE DRAWING

