

TMX W303

LOW LOSS SAW BANDPASS FILTER – WIRELESS AUDIO – RF

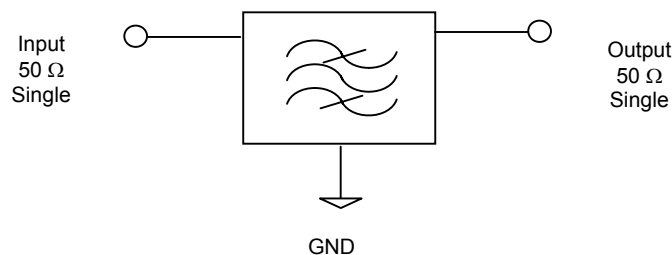
Specification (Rev. 1)

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	-	864	-
Relative Attenuation				
841.6 MHz to 843.6 MHz	dB	40	44	-
852.3 MHz to 853.3 MHz	dB	30	38	-
Maximum Insertion Loss in 862.5 MHz-865.5 MHz	dB	-	4.0	6.0
Amplitude Ripple in 862.5 MHz-865.5 MHz	dB	-	1.5	2.5
Temperature Coefficient of Frequency	ppm/k	-	-30	-
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	

Notes :

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

50 Ω / 50 Ω Configuration



Maximum Ratings

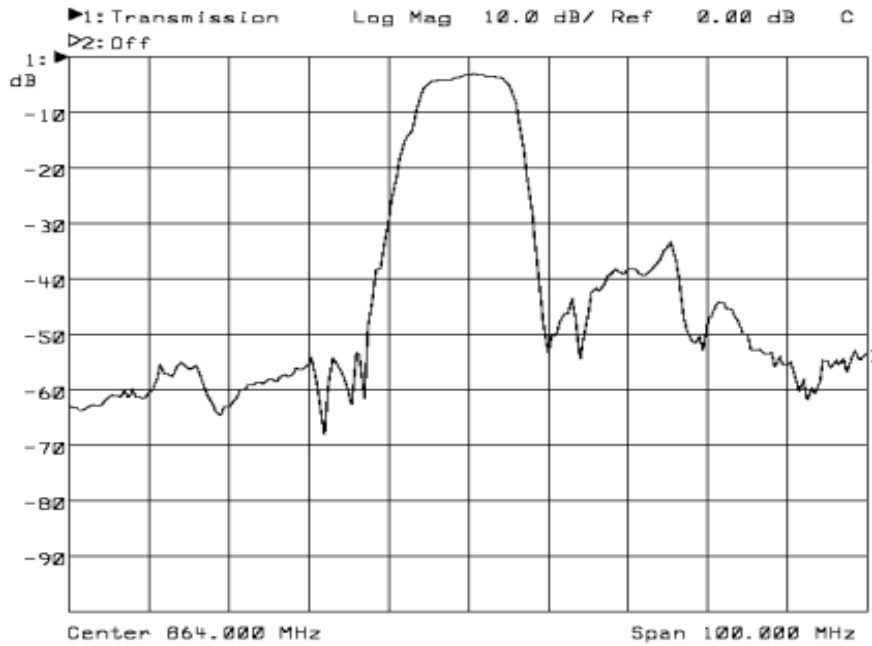
Rating	Unit	Value
Operating Temperature Range	-30 to +80	°C
Storage Temperature Range	-40 to +85	°C
DC Permissive Voltage	10	V
Input Power	18	dBm

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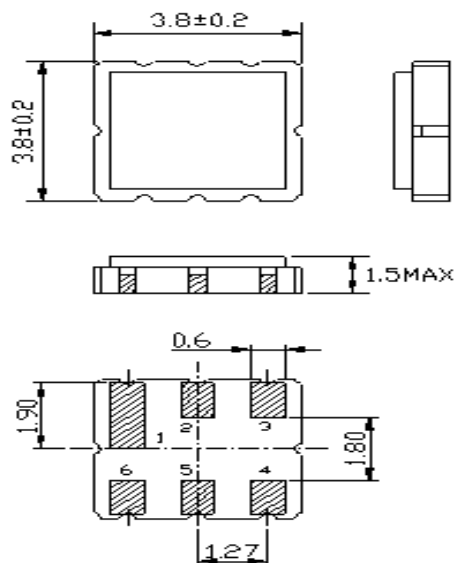
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TYPICAL S21 RESPONSE



Package Drawing



Pin No.	Function
2.	Input
5.	Output
Other	Ground