

TMX W343

SAW Bandpass Filter - REMOTE CONTROL - RF
Preliminary Specification (Rev-1)

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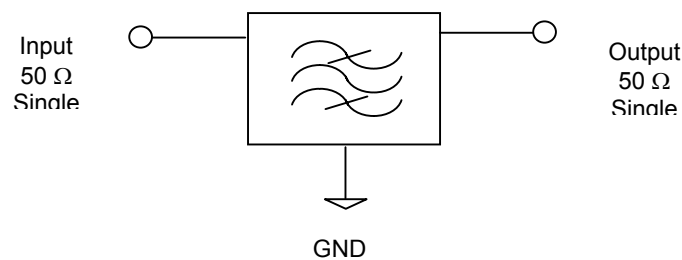
April 30th, 2005

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	-	315.00	-
Bandwidth at 3dB	MHz	-	4.6	-
Absolute Rejection				
at 295 MHz	dB	50	60	-
at 335 MHz	dB	45	50	-
Insertion Loss within fo \pm 0.5 MHz	dB	-	1.5	3.0
Ripple within fo \pm 0.5 MHz	dB	-	0.6	1.5
Input and Output VSWR		-	1.5	2.5
Package type & size				
Length x Width	mm ²	-	3.8 x 3.8	-
Height	mm	-	1.35	1.5
Pin Out				
Input	2	Output	6	
Case Ground	1, 3, 4, 5, 7, 8	To Be Grounded	1, 3, 4, 5, 7, 8	

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

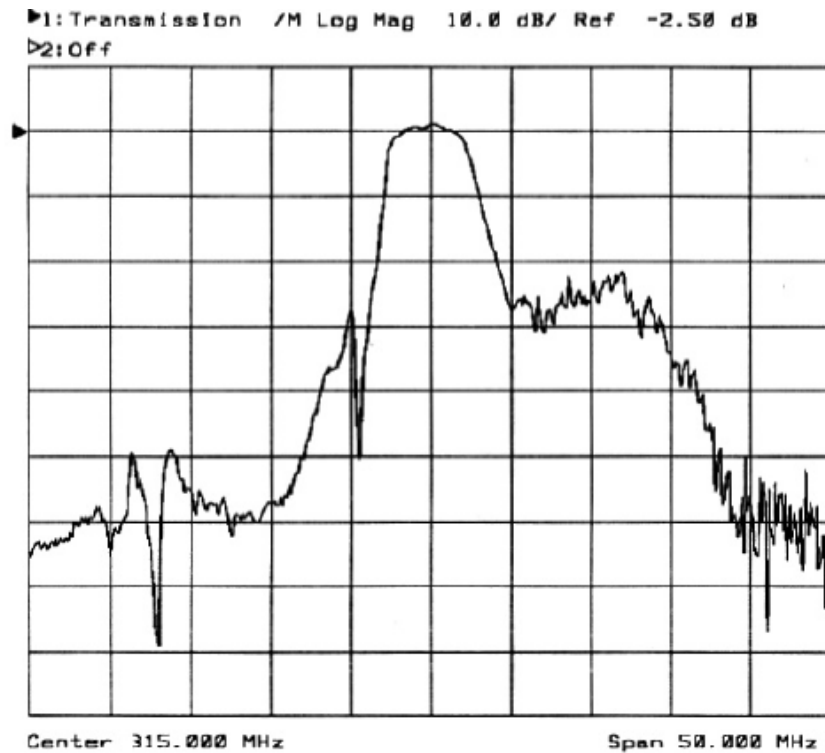
Rating	Unit	Value
Input Power Level	20	dBm
Operating Temperature	-40 to +85	$^{\circ}$ C
Storage Temperature Range	T _{stg} -50 to +100	$^{\circ}$ C
DC Voltage	V _{DC} 7.5	V

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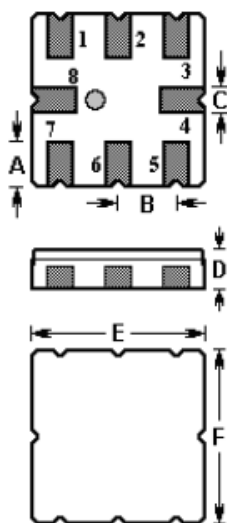
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TYPICAL S21 RESPONSE



Package Drawing



Pin	Configuration
2	Input / Output
6	Output / Input
others	Case Ground

Sign	Data (unit: mm)	Sign	Data (unit: mm)
A	1.00	D	1.50
B	1.27	E	3.80
C	0.60	F	3.80