

TMX W308

SAW FRONT-END FILTER - WIRELESS RECEIVERS - RF

Tentative 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	-	868.3	-
Rejection		•		•	•
At fo – 21.4 MHz (Image)		dB	30	40	-
At fo – 10.7 MHz (LO)		dB	15	30	-
Ultimate		dB	-	60	-
Insertion Loss		dB	-	4.5	6.0
Bandwidth at 3dB		dB	-	1.2	1.5
Temperature				-	-
Turnover Temperature		°C	15	25	40
Turnover Frequency		MHz	-	fo	-
Frequency Temperature Coefficient		ppm/°C ²	-	0.032	-
Frequency Aging Absolute Value during the First Year		ppm/yr	-	10	-
Package type & size				_	-
Length x Width		mm²	-	3.8 x 3.8	-
Height		mm	-	1.2	1.35
Pin Out					
Input	2	Output		6	
Input Ground	1	Output G	round	5	
Case Ground	4, 8	To Be Gr	ounded	3, 7	

Notes :

(1) Typical values are nominal performances at room temperature

(2) External matching circuit is required (see drawing hereunder)

50 Ω / 50 Ω Configuration



These components values (L &C) have to be adjusted to the customer PC Board, due to parasitics inductors and capacitors.

February 16th 2005



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Maximum Ratings

Rating		Unit	Value
Operating Temperature Range	T _A	-40 to +85	°C
DC Voltage	V _{DC}	± 30	V
Input Power		15	dBm

Package Drawing

