

TMX FT01

SAW Bandpass Filter - RF
Preliminary Specification (Rev 1)

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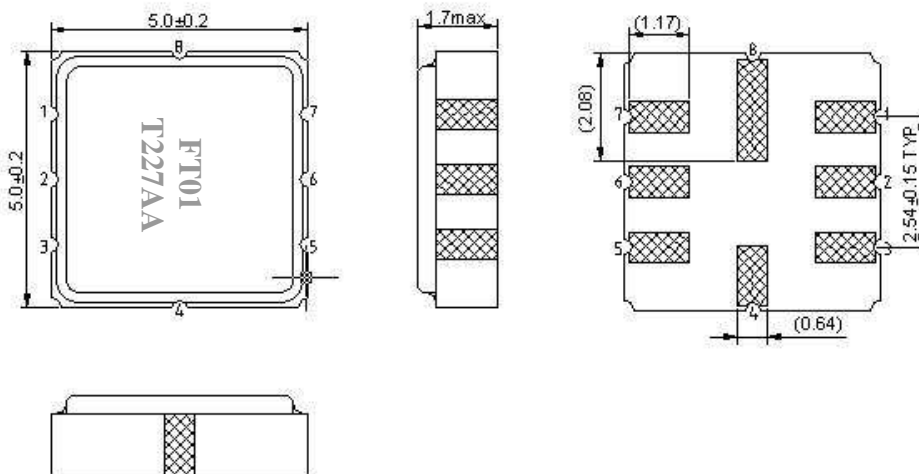
July 05th, 2012

Features

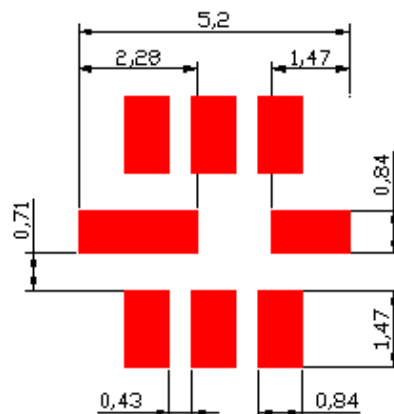
- ❑ RF SAW Filter
- ❑ 169 MHz Center Frequency
- ❑ Ceramic package for Surface Mounted Technology
- ❑ RoHS Compliant

Package Drawing & Pin out

The product is in conformance with the European RoHs Regulation 2002/95.



Pin Configuration	
2	Input
6	Output
1,3,4, 5,7,8	Ground



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Technical Characteristics

Reference Temperature : +25°C

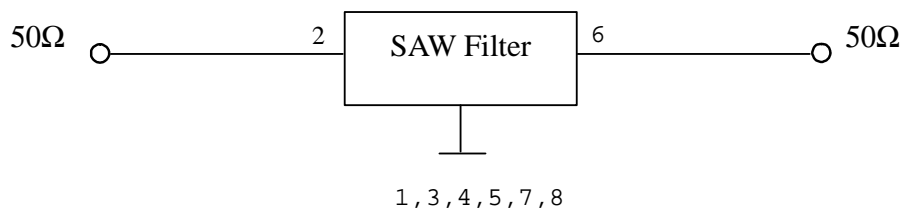
Electrical Parameters	Unit	Minimum	Typical ⁽¹⁾	Maximum
Center Frequency Fo	MHz		169	
Insertion Loss at IL _{min} ⁽²⁾	dB	-	1.5	2.8
Bandwidth (BW -3dB)	dB	6	8.8	-
Relative Attenuation (Relative to IL _{min})				
Fo -50MHz to Fo -30MHz	dB	42	54	-
F0 -30MHz to Fo -15MHz	dB	36	52	-
F0 +30MHz to Fo +50MHz	dB	40	51	-
Source Impedance (Single ended)	Ohms		50 ⁽³⁾	
Load Impedance (Single ended)	Ohms		50 ⁽³⁾	
Package type & size				
Length x Width	mm		5.0 x 5.0	
Height	mm			1.7
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) IL_{min} is the minimum of the pass band attenuation. The center frequency Fo is the mean value of the upper and lower frequencies at the 3dB filter attenuation level relative to the IL_{min}.
- (3) Not external matching circuit is required

Measurement Circuit

HP Network analyzer



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Nominal Frequency Response

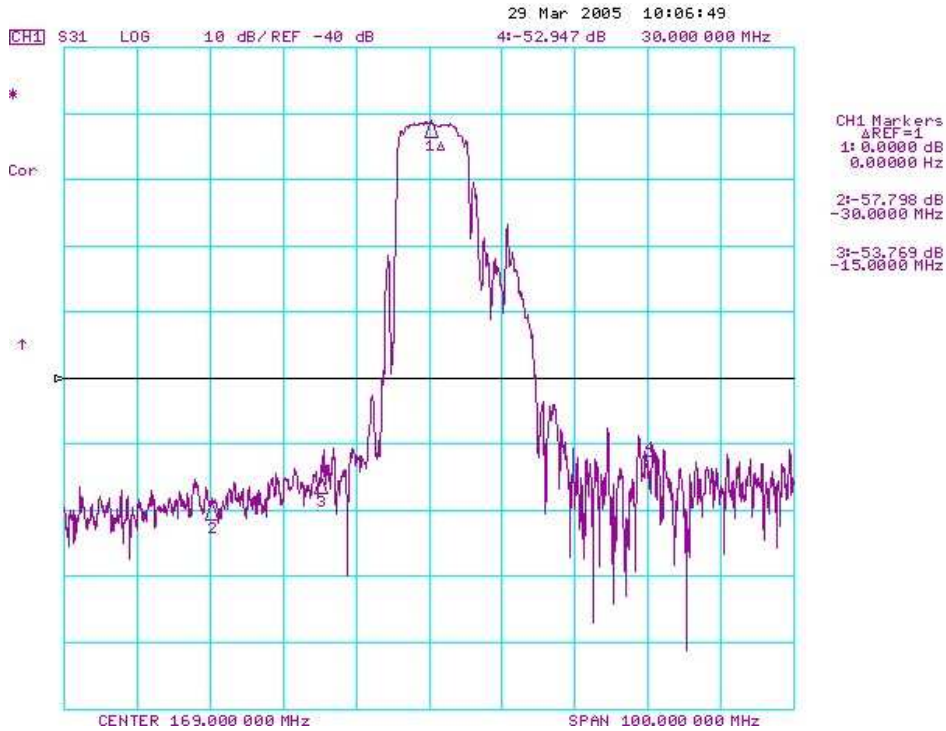


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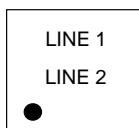
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Maximum Ratings

Storage Temperature Range	°C	[-10°C ; +70°C]
Operating temperature	°C	[-40°C ; +85°C]
DC voltage	V	3
Input Power Level	dBm	10

Marking



Line 1: "NNNN" is the reference to Temexpress Part number with only the last 4 digits

Line 2: TYWWZZ is the date code as:

T: Partner identifier.

Y: last digit of the year.

WW: number of week in the year

ZZ: Lot number in the week (from AA to ZZ).

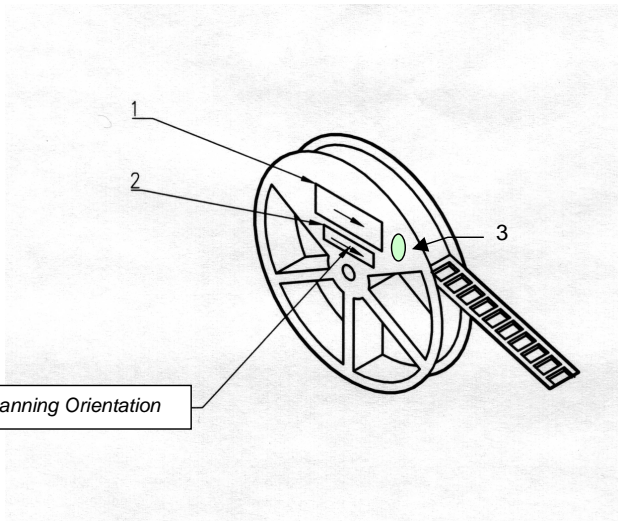
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Packaging



3Kpcs/reel

- 1 – TEMEXPRESS Label
- 2 – ESD Prevention Label
- 3 – Pb Free Label