

TMX ET02

SAW Bandpass Filter - RF
Preliminary Specification (Rev 1)

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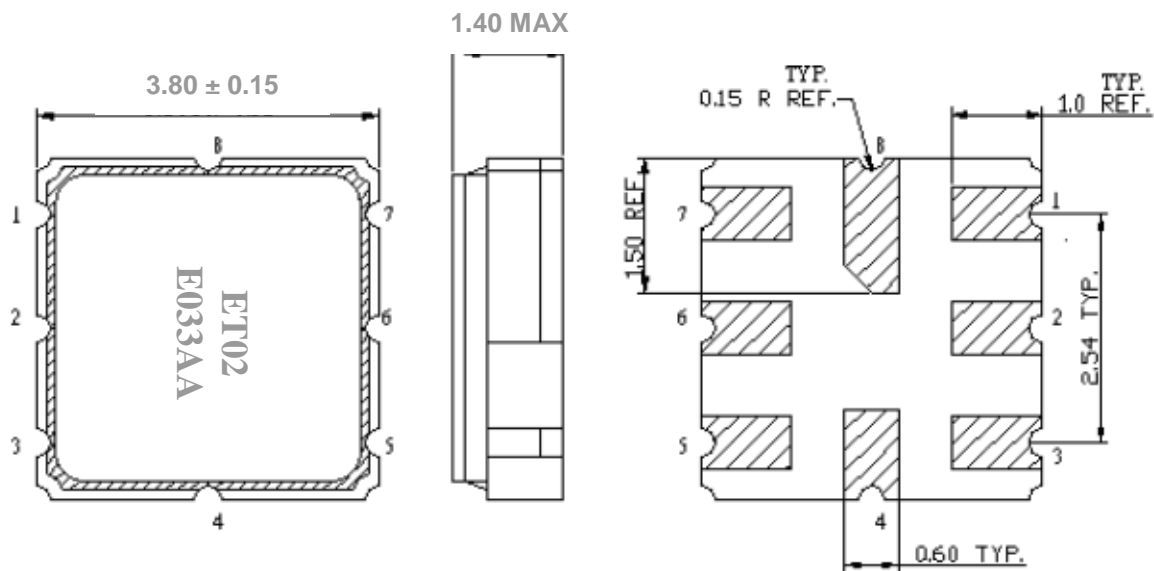
April 06th, 2010

Features

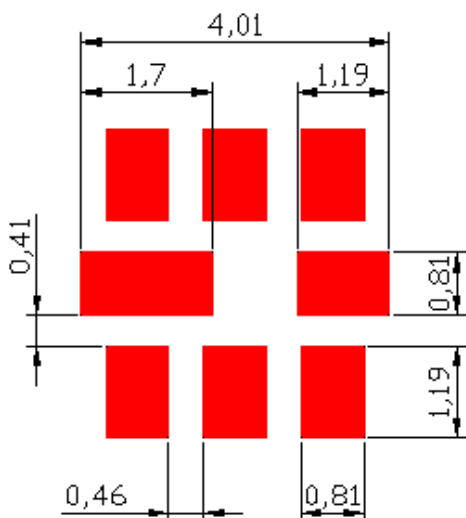
- ❑ RF SAW Filter
- ❑ 915 MHz Center Frequency
- ❑ Ceramic package for Surface Mounted Technology
- ❑ RoHS Compliant

Package Drawing & Pin out

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



PCB Footprint



Pin Configuration

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

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Technical Characteristics

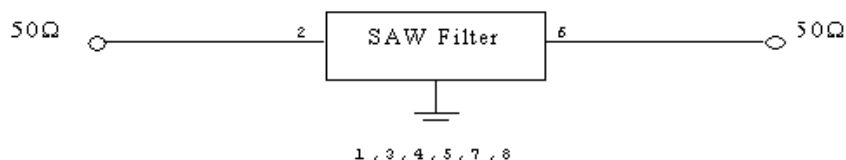
Reference Temperature : +25°C

Electrical Parameters	Unit	Minimum	Typical ⁽¹⁾	Maximum
Center Frequency f_0	MHz		915	
Insertion Loss within 912 ~ 918 MHz	dB	-	2.3	4.3
Amplitude ripple within 912 ~ 918 MHz	dB	-	0.2	1.6
VSWR within 912 ~ 918 MHz		-	1.45	2.0
Attenuation (Relative to IL_{f_0})				
452 MHz	dB	40	62	-
806 MHz	dB	38	55	-
850 MHz	dB	38	57	-
932 MHz	dB	12	31	-
Source Impedance (Single ended)	Ohms		50 ⁽²⁾	
Load Impedance (Single ended)	Ohms		50 ⁽²⁾	
Package type & size				
Length x Width	mm		3.8 x 3.8	
Height	mm			1.40
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) Not external matching circuit is required

Measurement Circuit



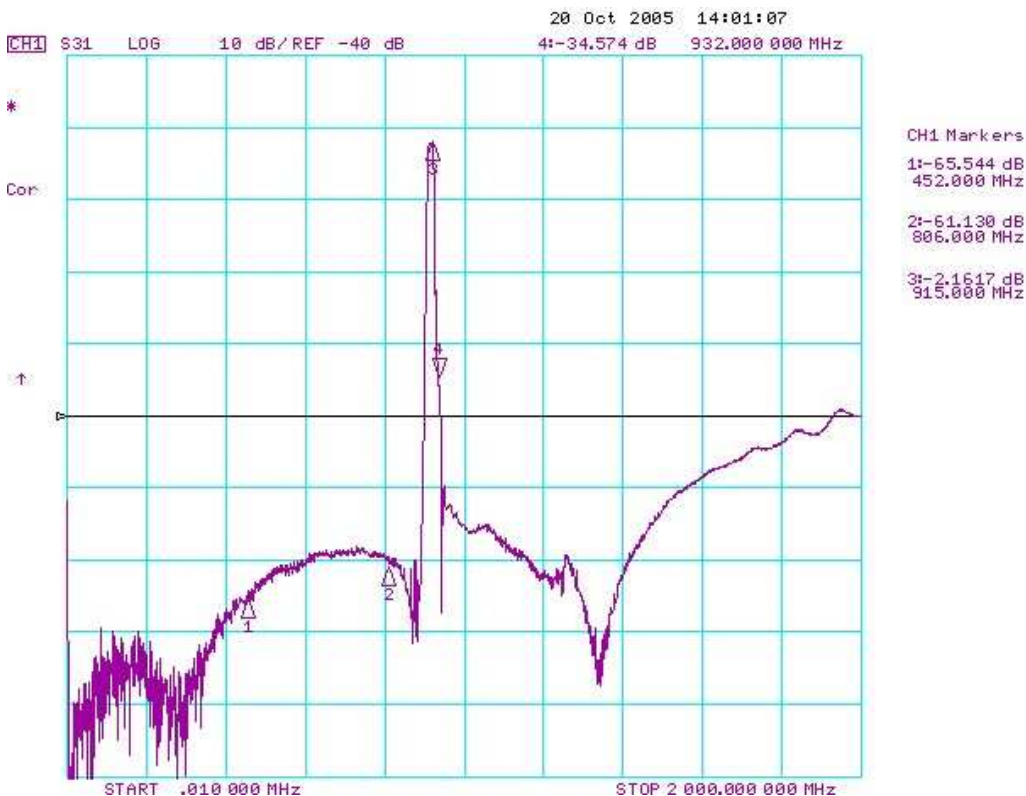
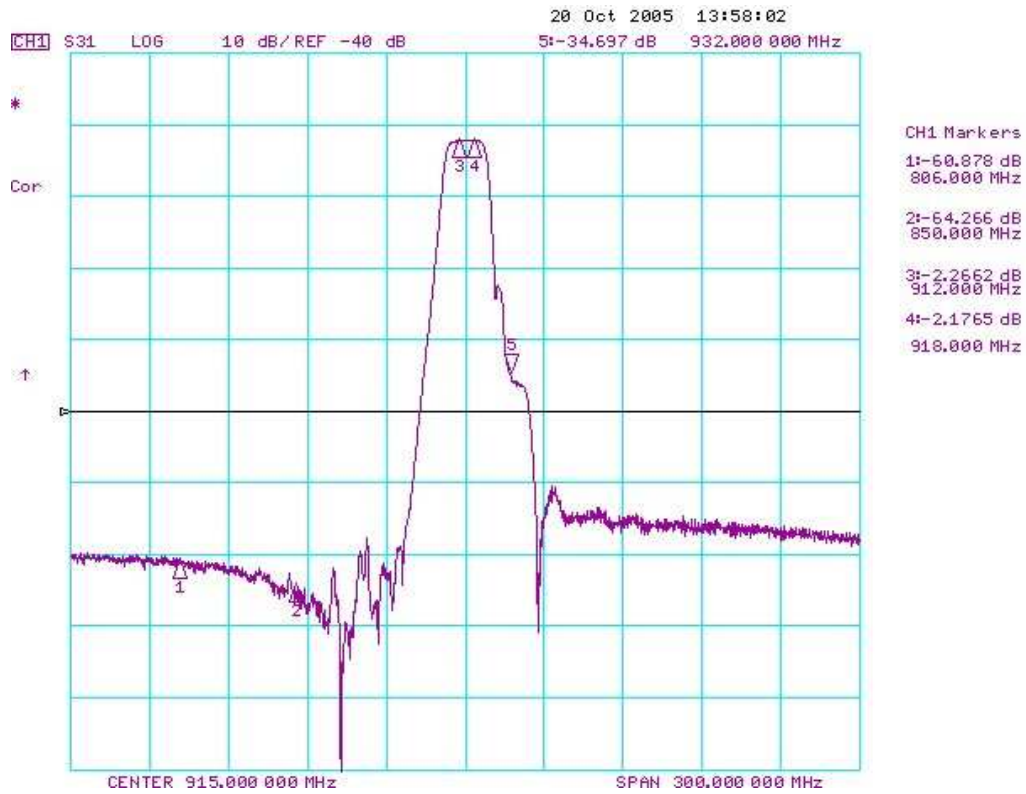
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Nominal Frequency Response (Measurements)



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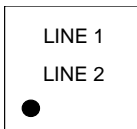
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Maximum Ratings

Storage Temperature Range	°C	[-40°C ; +85°C]
Operating temperature	°C	[-40°C ; +60°C]
DC voltage	V	5
RF Power Dissipation	dBm	13

Marking



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

Line 2: EYWWZZ is the date code as:

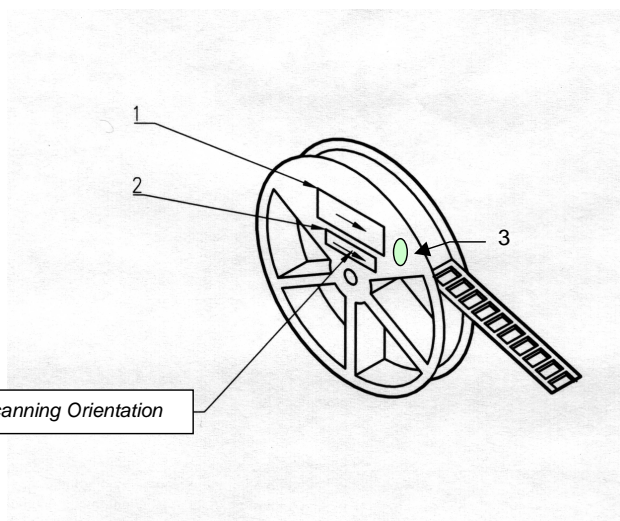
E: Partner identifier.

Y: last digit of the year.

WW: number of week in the year

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

Packaging



1Kpcs/reel

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