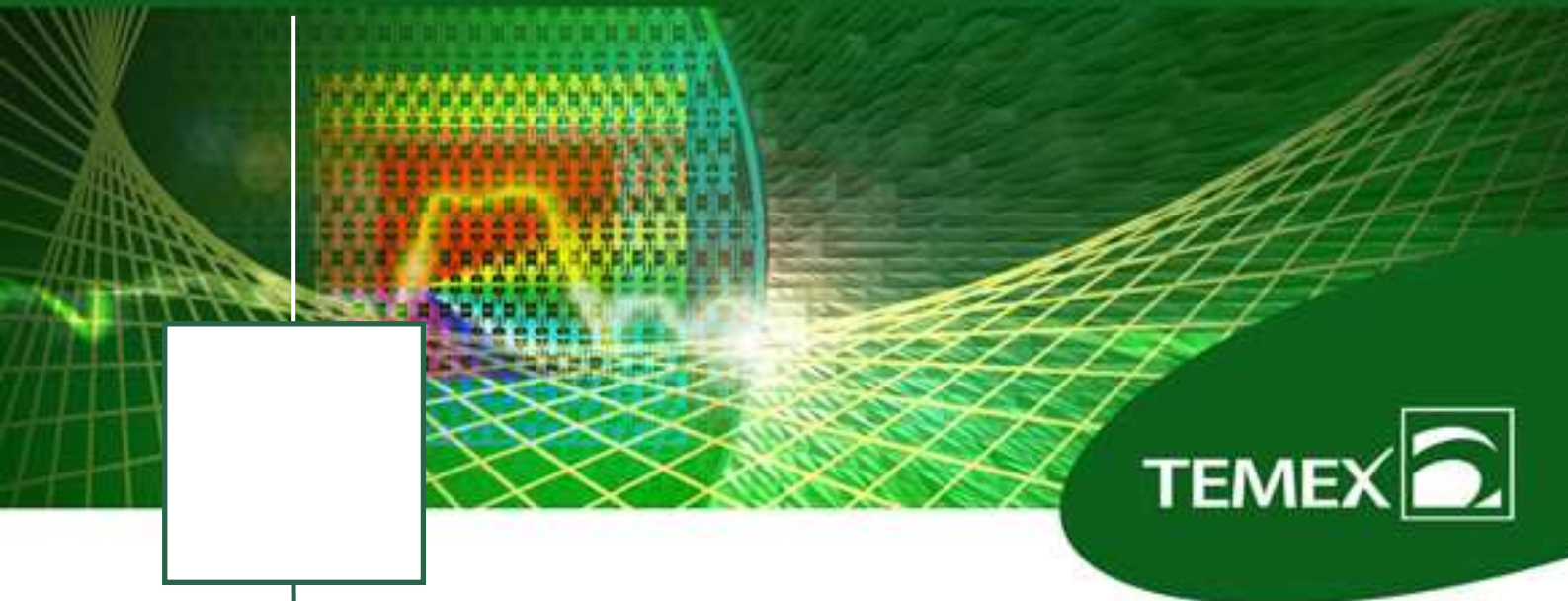




TMX DT04

SAW Bandpass Filter -Remote Control - RF
Specification (Rev 2)

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TMX DT04

SAW Bandpass Filter – Remote Control - RF

Specification (Rev 2)

May 19th, 2009

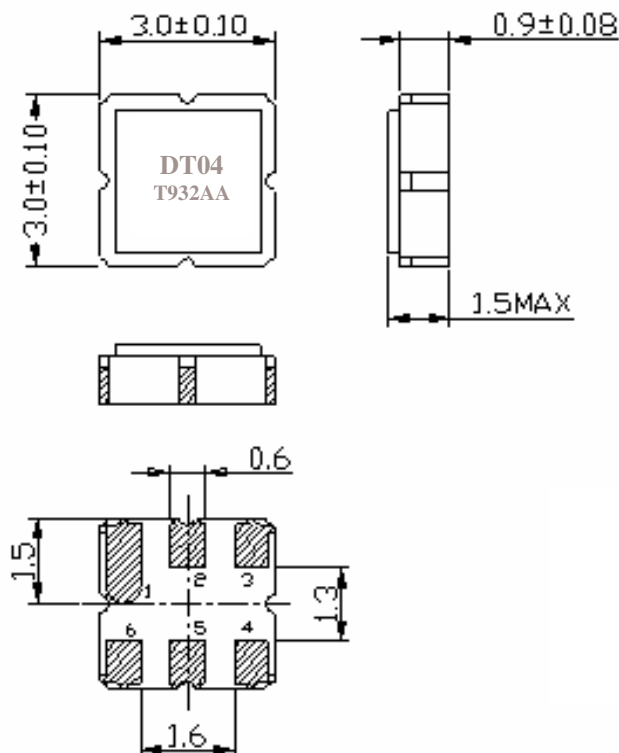
Features

- ❑ RF SAW Filter
- ❑ 433.92 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.

Unit: mm



Pin Configuration

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

TMX DT04

SAW Bandpass Filter – Remote Control - RF

Specification (Rev 2)

May 19th, 2009

Technical Characteristics

Reference Temperature : +25°C

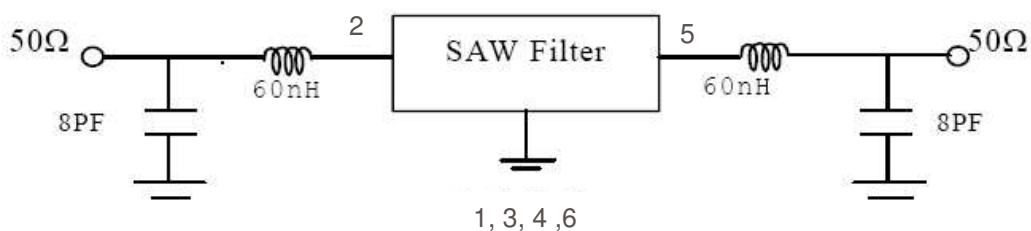
Electrical Parameters	Unit	Minimum	Typical ⁽¹⁾	Maximum
Center Frequency f_0	MHz		433.92	
Pass band (relative to IL_{min}) 433.67 ~ 434.17 MHz	dB	-	0.7	3.0
Pass bandwidth (relative to IL_{min})	KHz	500	950	1 100
Attenuation (relative to IL_{min})				
From 10.000 MHz to 412.52 MHz	dB	47	52	-
From 412.52 MHz to 423.22 MHz	dB	40	45	-
From 423.22 MHz to 432.92 MHz	dB	15	22	-
From 434.92 MHz to 444.62 MHz	dB	10	15	-
From 444.62 MHz to 455.32 MHz	dB	38	43	-
From 455.32 MHz to 1000.0 MHz	dB	43	48	-
Insertion Loss in 433.67 MHz – 434.17 MHz	dB		3.0	4.0
Impedance for pass band matching Input $Z_{IN} = R_{IN} // C_{IN}$ Output $Z_{OUT} = R_{OUT} // C_{OUT}$			865Ω // 2.5pF 865Ω // 2.5pF	
Package type & size				
Length x Width	mm		3.0 x 3.0	
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

Measurement Circuit

HP Network analyzer



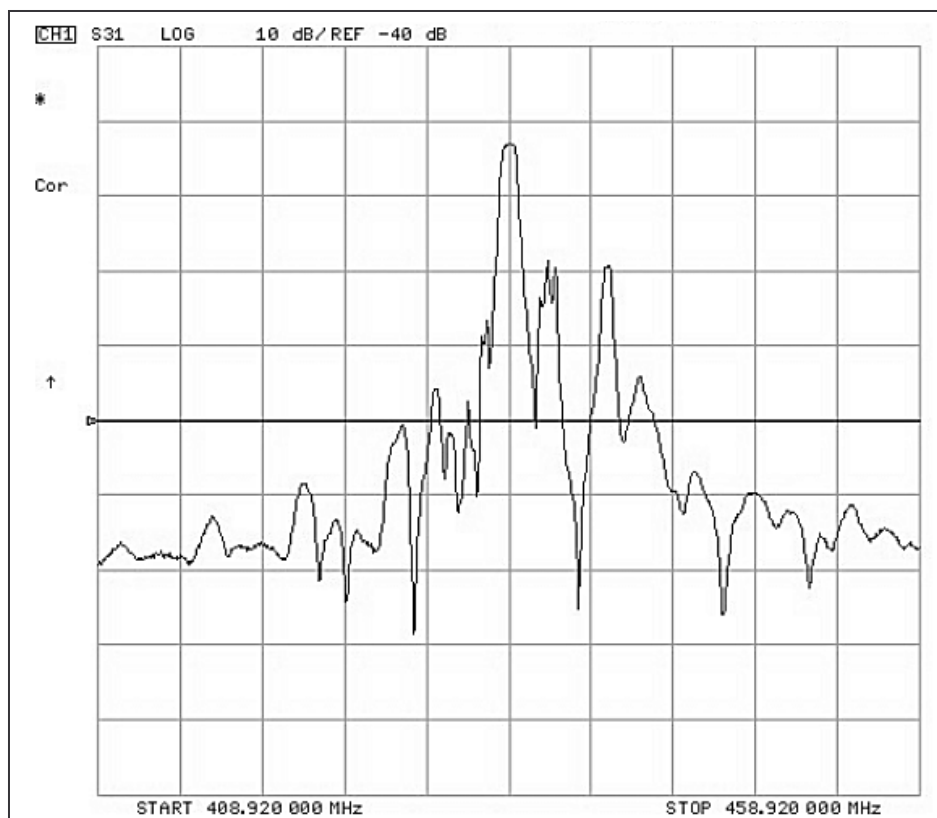
TMX DT04

SAW Bandpass Filter – Remote Control - RF

Specification (Rev 2)

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Nominal Frequency Response (Measurements)



TMX DT04

SAW Bandpass Filter – Remote Control - RF

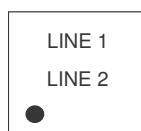
Specification (Rev 2)

May 19th, 2009

Maximum Ratings

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

Marking



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

Line 2: TYWWZZ is the date code as:

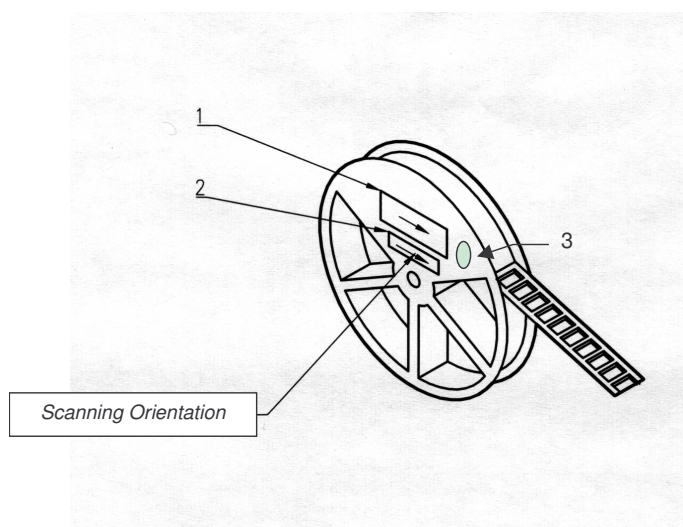
T: Partner identifier.

Y: last digit of the year.

WW: number of week in the year

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

Packaging



3Kpcs/reel

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