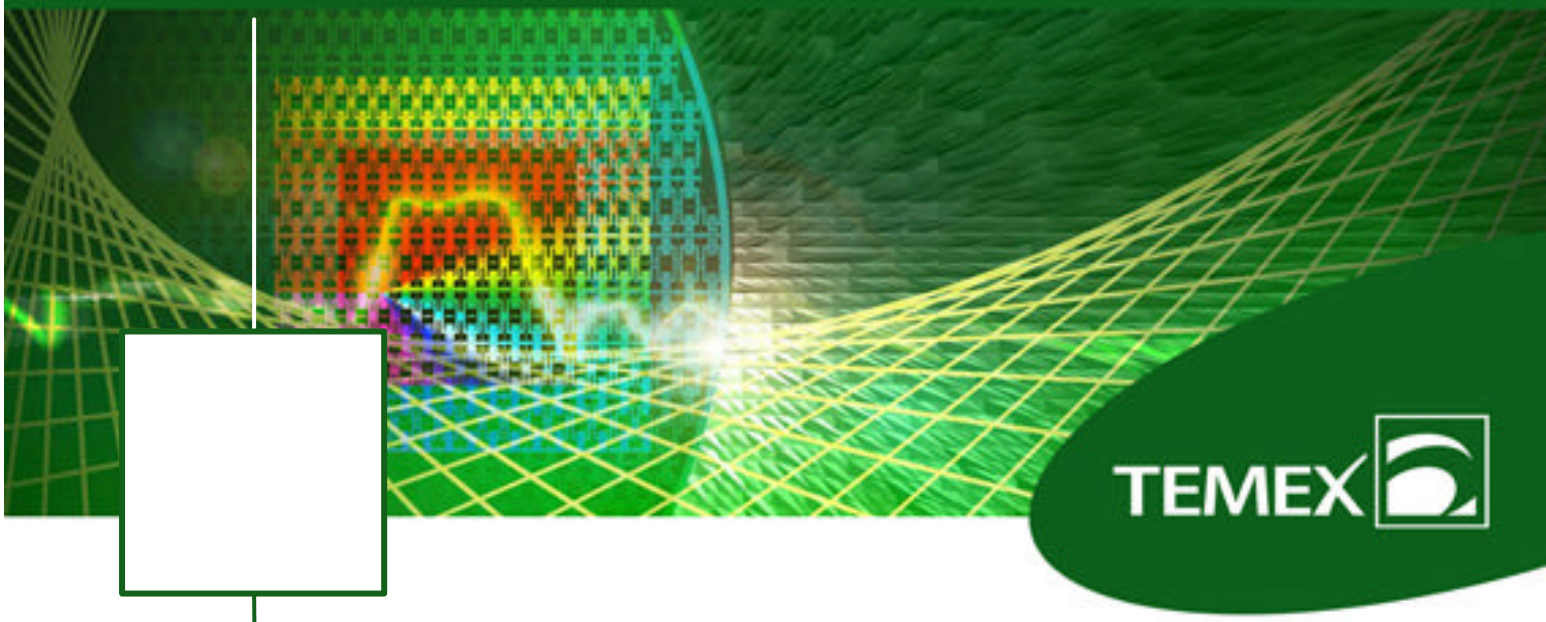
SAW Filters



TMX TA02

SAW Bandpass Filter – DVB-C - RF
Preliminary Specification (Rev 1)

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TMX TA02

SAW Bandpass Filter – DVB-C - RF

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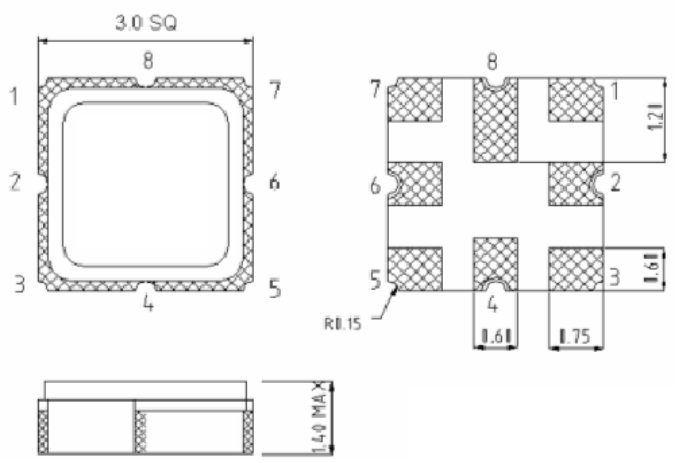
January 09th, 2006

Features

- RF SAW Filter for DVB-C
- 1120 MHz Center Frequency
- 32 MHz useable Passband
- 200 Ohms Balance Configuration
- Ceramic package for Surface Mounted Technology

Package Drawing & Pin out

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



Pin Configuration	
Input	1
Input return	2
Output	5
Output return	6
To be ground	3, 4, 7, 8

TMX TA02

SAW Bandpass Filter – DVB-C - RF

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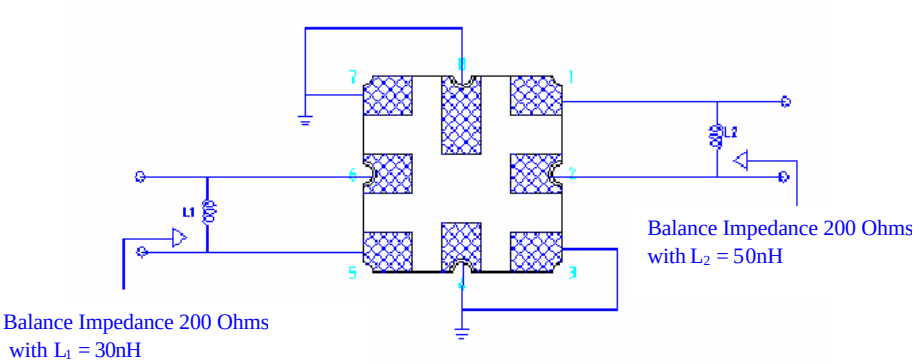
January 09th, 2006

Technical Characteristics

Reference Temperature : +25°C

Electrical Parameters	Unit	Minimum	Typical (1)	Maximum
Source Impedance (balance)	Ohms	-	200	-
Load Impedance (balance)	Ohms	-	200	-
Center Frequency fc	MHz	-	1120	-
Bandwidth	MHz	32	-	-
Absolute Attenuation				
0 MHz to 1048 MHz	dB	50	55	-
1048 MHz to 1064 MHz	dB	40	60	
1064 MHz to 1070 MHz	dB	10	50	
1166 MHz to 1176 MHz	dB	10	32	
1176 MHz to 1191 MHz	dB	25	40	-
1191 MHz to 1222 MHz	dB	43	56	-
1222 MHz to 3120 MHz	dB	40	60	-
Insertion Loss within 1104 MHz ~ 1136 MHz	dB	-	3.9	4.9
Ripple within 1104 MHz ~ 1136 MHz	dB	-	0.8	1.5
Group Delay (p-p) within 1104 MHz ~ 1136 MHz	ns	-	9	15

Matching Network



TMX TA02

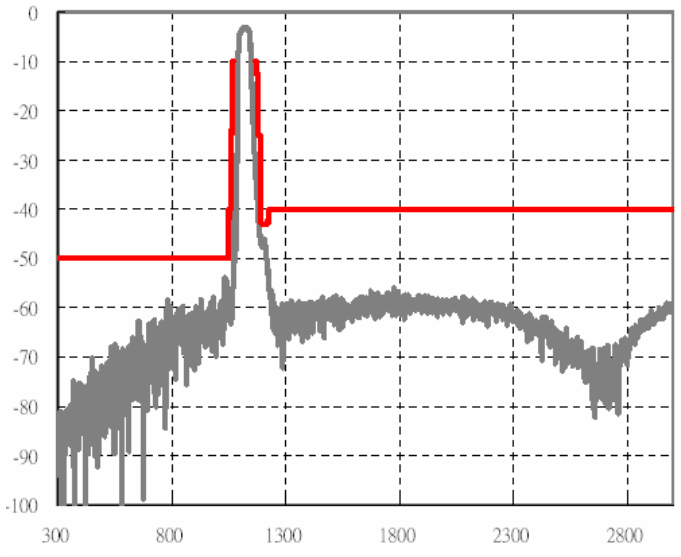
SAW Bandpass Filter – DVB-C - RF

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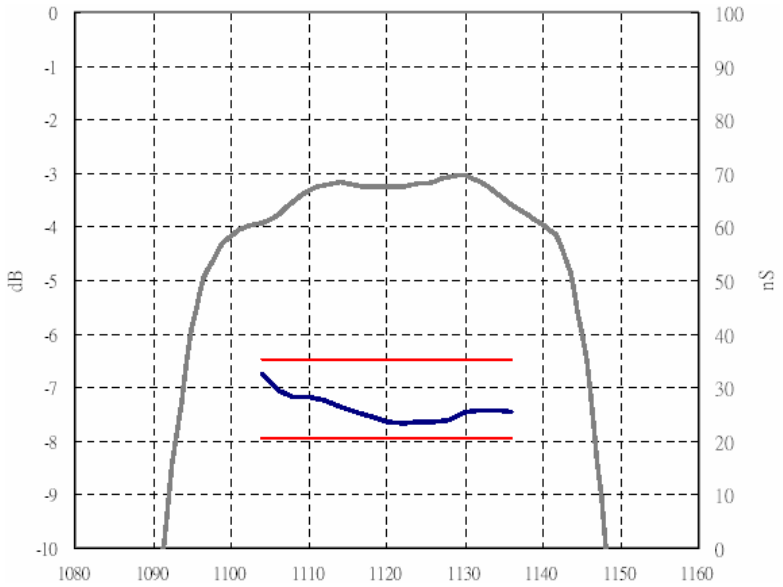
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Nominal Frequency Response

Frequency Response



Frequency Response



TMX TA02

SAW Bandpass Filter – DVB-C - RF

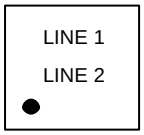
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Maximum Ratings

Storage Temperature Range	°C	[-10°C ; +85°C]
Operable temperature Range	°C	[-40°C ; +85°C]

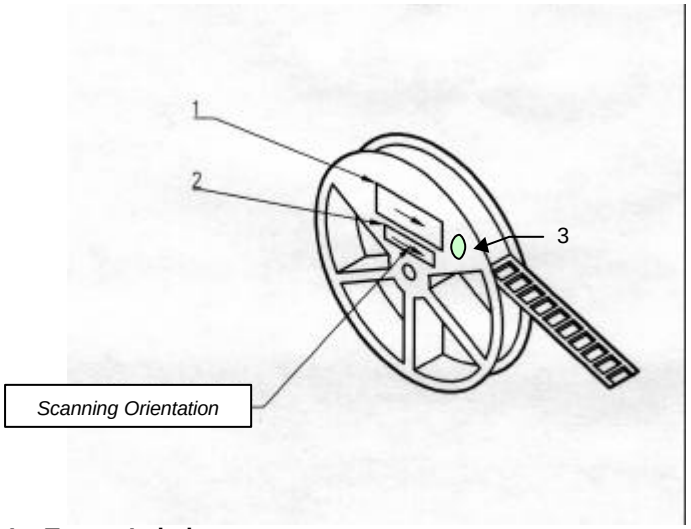
Marking



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

Line 2: RYWWZZ is the date code as:
R: 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



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