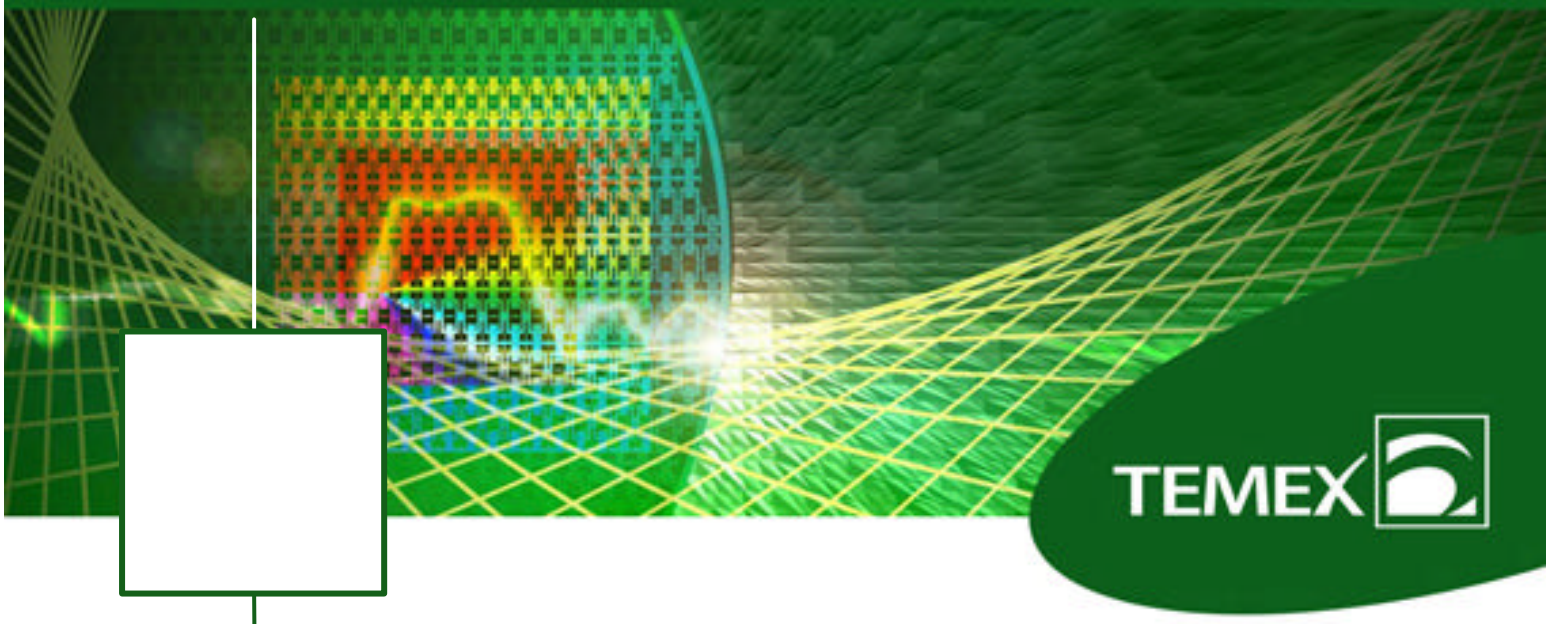
SAW Filters



TMX W347

SAW Bandpass Filter – GPS - RF
Specification (Rev 1)

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TMX W347

SAW Bandpass Filter – GPS - RF

Specification (Rev.1)- RF

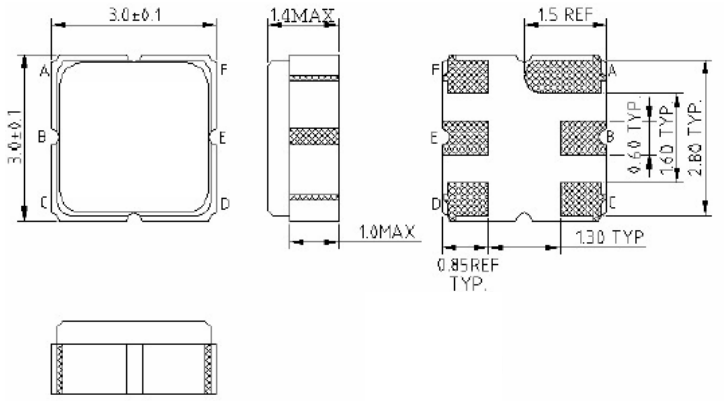
September 25th, 2005

Features

- **SAW Filter for GPS**
- **1575.42 MHz Center Frequency**
- **2 MHz useable Passband**
- **50 Ohms Single 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	B
Output	E
Case ground	A, C, D, F

TMX W347

SAW Bandpass Filter – GPS - RF

Specification (Rev.1)- RF

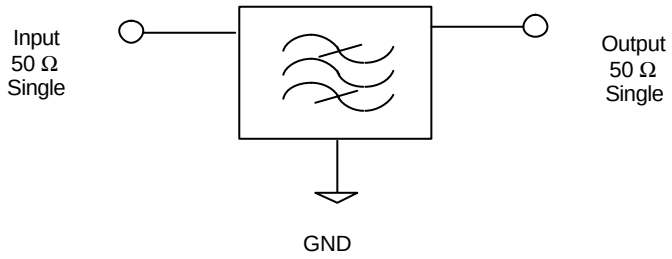
September 25th, 2005

Technical Characteristics

Reference Temperature : +25°C

Electrical Parameters	Unit	Minimum	Typical (1)	Maximum
Source Impedance (single)	Ohms	-	50	-
Load Impedance (single)	Ohms	-	50	-
Center Frequency fc	MHz	-	1575.42	-
Bandwidth at -3dB	MHz	2	-	-
Absolute Attenuation				
at 1475.42 MHz	dB	35	42	-
at 1535.42 MHz	dB	30	44	-
at 1615.42 MHz	dB	30	55	-
at 1675.42 MHz	dB	40	48	-
Insertion Loss within 1574.42 MHz – 1576.42 MHz	dB	-	2.6	3.5
Amplitude ripple within 1574.42MHz–1576.42MHz	dB	-	0.1	1.5
Input/Output VSWR within 1574.42MHz–1576.42MHz		-	1.5	2.5

Matching Network



TMX W347

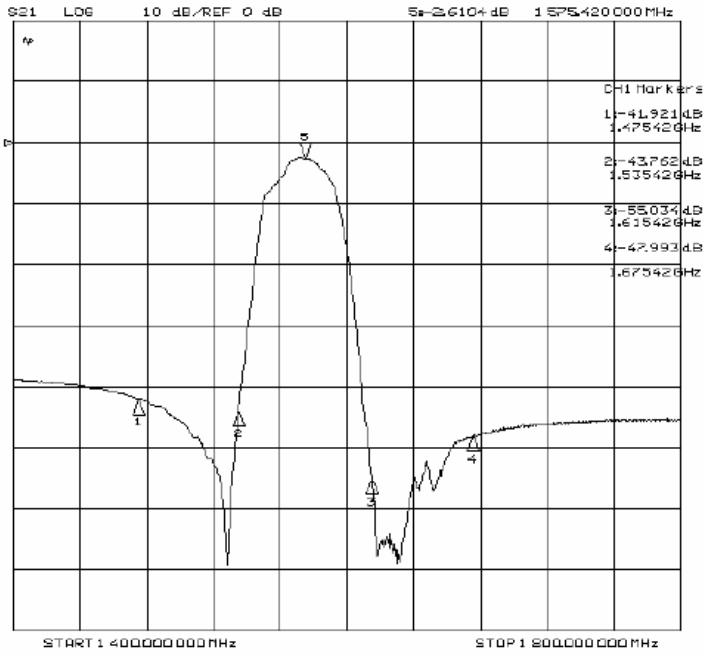
SAW Bandpass Filter – GPS - RF

Specification (Rev.1)- RF

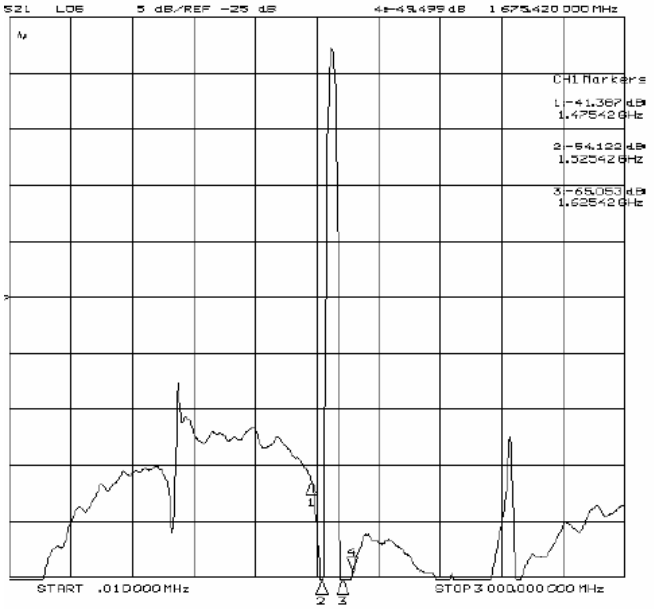
September 25th, 2005

Nominal Frequency Response (Measurements)

Frequency Response



Frequency Response



TMX W347

SAW Bandpass Filter – GPS - RF

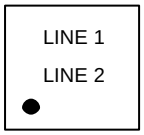
Specification (Rev.1)- RF

September 25th, 2005

Maximum Ratings

Storage Temperature Range	°C	[-50°C ; +100°C]
Operating temperature	°C	[-40°C ; +85°C]
DC voltage	V	5
Input Power	dBm	10

Marking

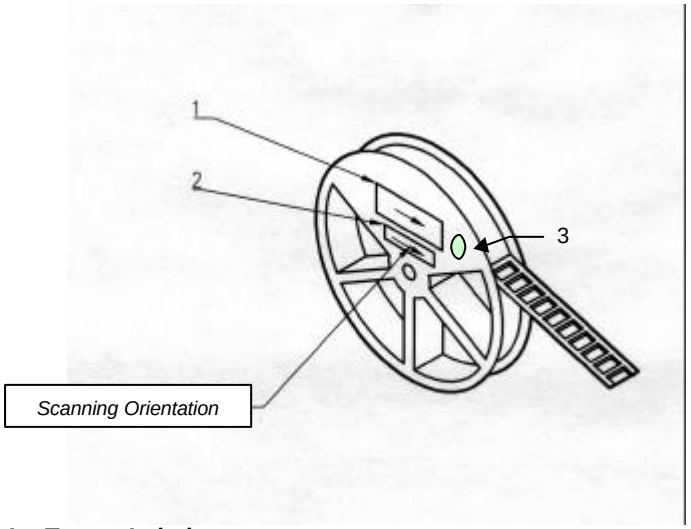


Line 1: "NNNN" is the reference to Temex Part number with only the last 4 digits

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