



PRODUCT SPECIFICATION

REV A January 2010

Oscilent Controlled Document

Ordering Code / Part Number	Product Description
802-RF1575.42M-J	GPS, RF SAW Filter

Specification Contents

- o Mechanical Dimensions
- o Test Circuit
- o Maximum Ratings
- o Electrical Specification
- o Frequency Performance

Notes

- o Electrostatic Sensitive Device (ESD) 
- o Avoid excessive ultrasonic exposure
- o Solderability compatible with JEDEC J-STD-020C Pb-free process, 260°C peak reflow temperature
- o This product complies with EU directive 2002/95/EC (RoHS compliance)



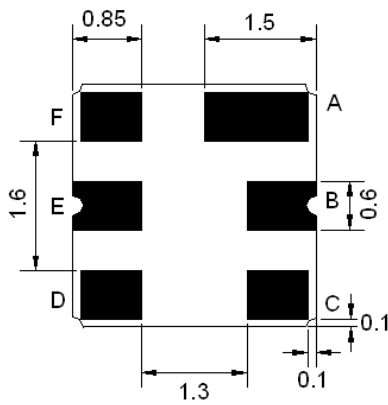
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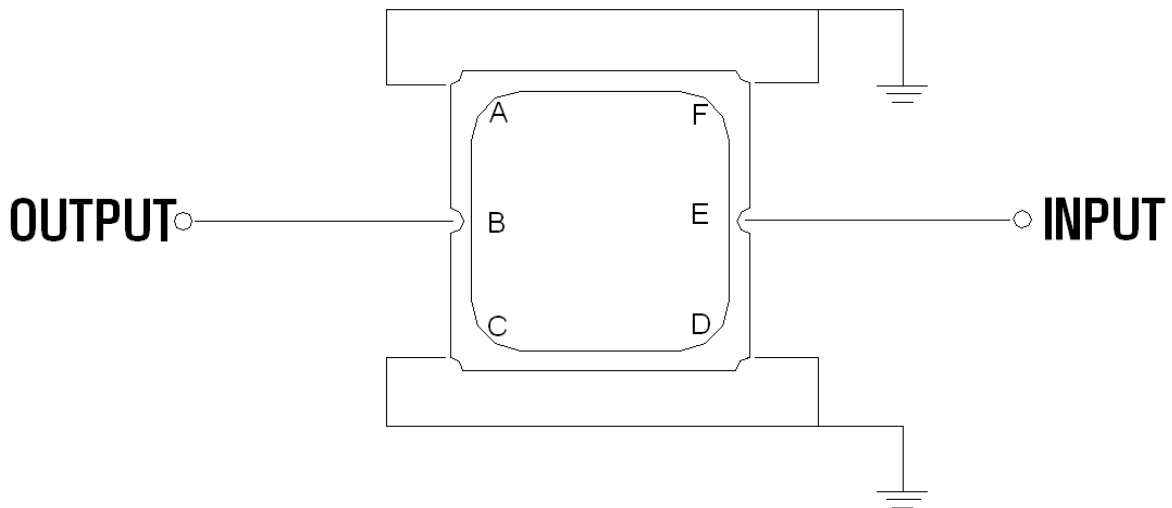
Mechanical Dimensions (mm)



Pin Description	
A, C, D, F	Ground
E	In
B	Out



Test Circuit



Source and Load Impedance: 50 Ω

**Maximum Ratings**

Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-

Notes: No Matching Network (Ref. Testing Environment Circuit as shown above).

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	1575.42	-
Insertion Loss within 1574.42~1576.42MHz	dB	-	0.65	0.95
Amplitude Ripple within 1574.42~1576.42MHz	dB _{p-p}	-	0.05	0.3
Attenuation:				
500.0 ~ 894.0 MHz	dB	20	25	-
894.0 ~ 1500.0 MHz	dB	21	27	-
1650.0 ~ 2000.0 MHz	dB	25	29	-
2000.0 ~ 4000.0 MHz	dB	17	23	-
VSWR within 1574.42~1576.42MHz	-	-	1.15	1.6



Frequency Performance

