

## **CER0139B**

1227 MHz GPS BPF

Revision B - Origin Date: September 28, 2005 - Revision Date: July 26, 2011

#### **Features**

- Low Loss
- Excellent Return Loss
- Small Size

#### **Description**

Surface mount, silver (Ag) coated ceramic filter.

Weight: 1.82 grams typical

Material: Filter is composed of a ceramic

block plated with Ag.

Filter complies with RoHS standards.



### **Electrical Specifications**

				Spec @ -40°C
Parameter	Frequency (MHz)	Typical @ 25ºC	Spec. @ 25ºC	to +85°C
Passband Insertion Loss	1215.6 – 1239.6	-0.8	-1.5	-1.8
Passband Ripple	1215.6 – 1239.6	0.3	0.5	0.7
Passband Return Loss	1215.6 – 1239.6	-20	-10	-9
Attenuation:	1152.6	-14	-12	-10
	1177.6	-9	-7	-5
	1277.6	-20	-17	-16
	1302.6	-38	-26	-24
Power into any port		1 Watt max		

Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

Specification Allowance

Insertion Loss 0.1 dB
Return Loss 1.0 dB
Stopbands 1.0 dB

Document No. 008-0256-0 Page 1 of 2 Rev. X4VH

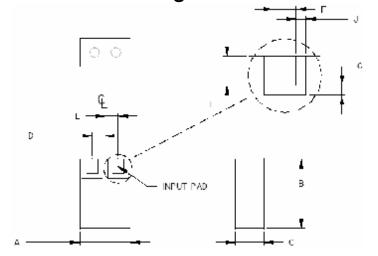


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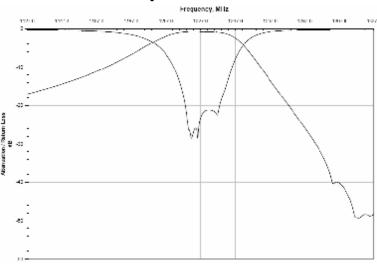
## **Mechanical Drawing**

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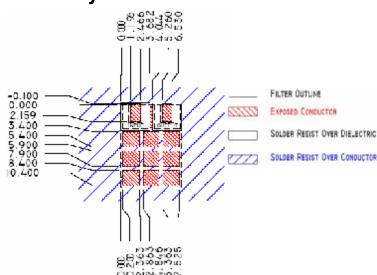


		Tolerance (mm)
Dim	Nominal (mm)	+/- or max
Α	7.899	Max
В	10.922	Max
С	4.496	Max
D	2.032	0.127
E	2.032	0.127
F	1.778	0.127
G	0.762	0.127
Ī	2.286	0.127
J	0.762	0.127

## **Electrical response**



### **PCB Layout**



## **Packaging and Marking**

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	1.82
REEL QUANTITY	ea.	1000 Max

