

Features

- Low Loss
- Excellent Return Loss
- High Rejection

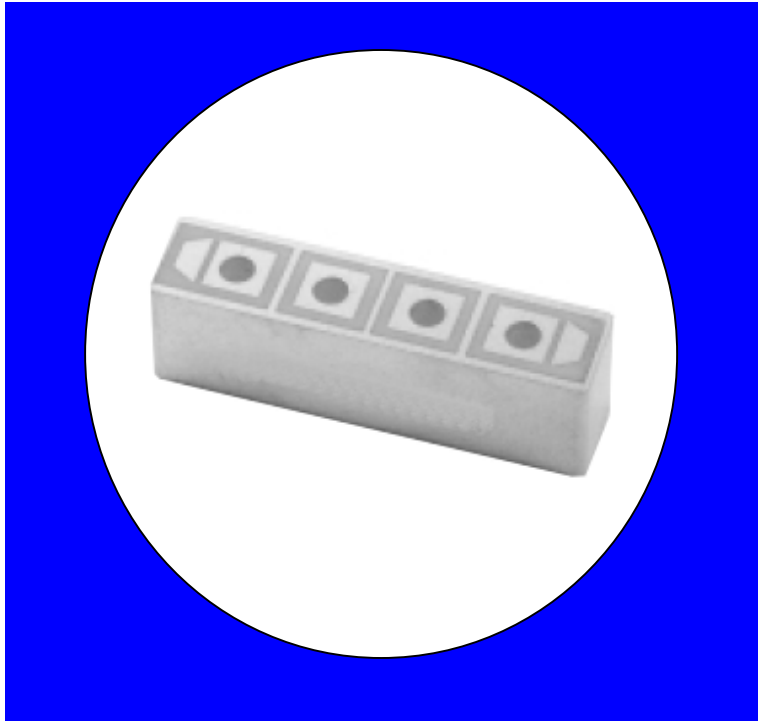
Description

Rugged mount, silver (Ag) coated ceramic filter. Developed for use in TCAS applications.

Weight: 10.73 grams typical

Material: Filter is composed of a ceramic block plated with Ag.

Filter complies with RoHS standards.

**Electrical Specifications**

Parameter	Frequency (MHz)	Typical @ 25°C	Spec. @ 25°C
Passband Insertion Loss	1087-1093	1.5 dB	2.0 dB max
Passband Return Loss	1087-1093	15.0 dB	12.0 dB min
Attenuation	1030	37.0 dB	35.0 dB min

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:

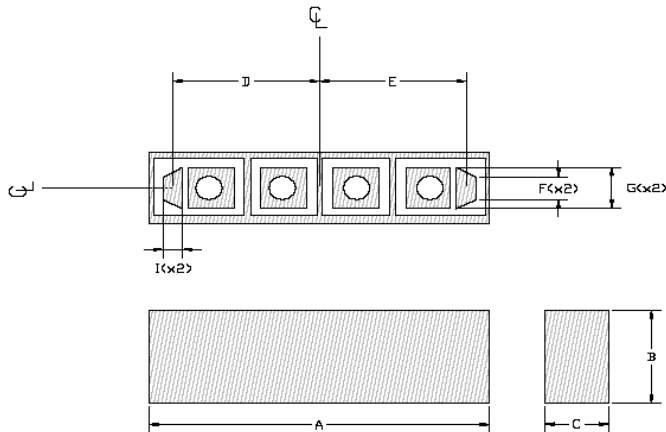
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*This product is covered by one or more of the following U.S. and foreign patents including: US 4,692,726;US 4,742,562; US 4,800,348;US 4,829,274;US 5,146,193;EP 0573597;DE 0573597;FR 0573597;JP 508149/92;KR 142171;US 5,162,760;US 5,218,329;US 5,250,916;US 5,327,109;US 5,488,335;CA 2114029;FR 9306297;GB 2273393;JP 3205337;KR 115113;CN 93106228.4;US 5,512,866;EP 0706719;DE 0706719;FR 0706719;GB 0706719;CN 95190359.4;US 5,602,518;US 5,721,520;US 5,745,018;EP 0910875;DE 0910875;DK 0910875;FR 0910875;GB 0910875;IE 0910875;JP 505182/98;KR 10-323013;US 5,994,978;US 6,462,629;CN 00810420.4;US 6,559,735;US 6,650,202;US 6,834,429. Other US and foreign patents pending.

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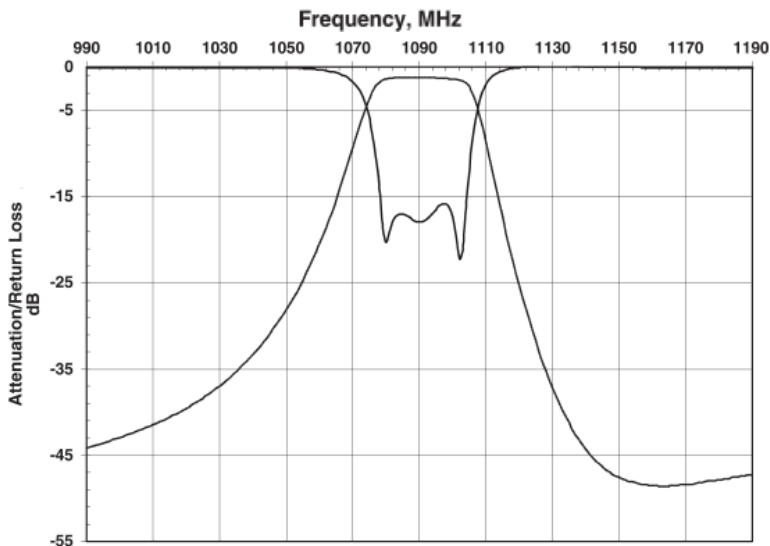
Mechanical Drawing

Rev 0 – Origin Date: July 11, 2005 – Revision Date: July 11, 2005

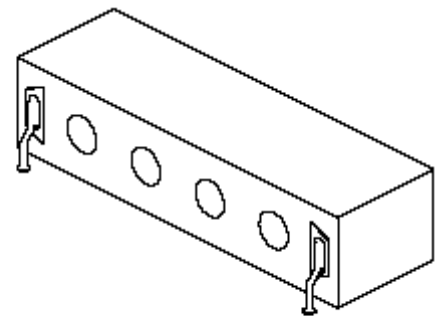


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	33.60	max
B	10.11	max
C	7.85	max
D	14.351	0.127
E	14.351	0.127
F	2.515	0.127
G	4.521	0.127
I	1.880	0.127

Electrical response



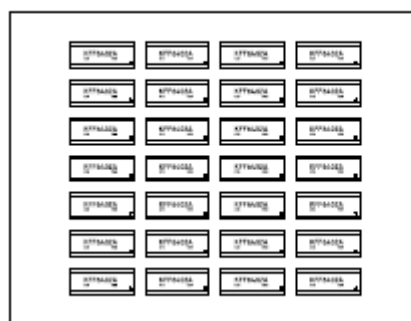
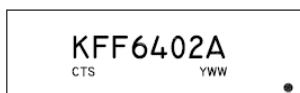
PCB Layout



CONNECT TO I/O PADS USING WIRE LEADS.

Packaging and Marking

This product is shipped in pre-formed foam trays.



10 28 Slot Foam Trays

(280 max. per box)

Mouser Electronics

Authorized Distributor

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