

Features

- Narrow Bandwidth
- Excellent Rejection
- Good Power Handling

Description

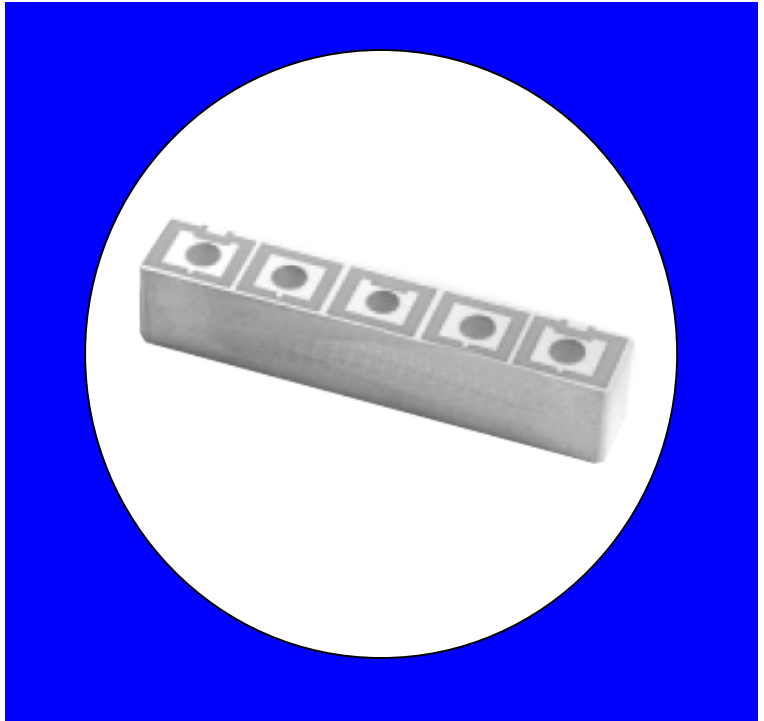
Surface mount, silver (Ag) coated ceramic filter. Developed for use in TCAS applications

Weight: 15.1 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	1085-1095	4.2 dB	4.5 dB max
Passband Return Loss	1085-1095	10.5 dB	10.0 dB min
Attenuation	1065	57.2 dB	55.0 dB min
Attenuation	1113	67.3 dB	55.0 dB min
Power Rating			5W
Impedance			50 Ω

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

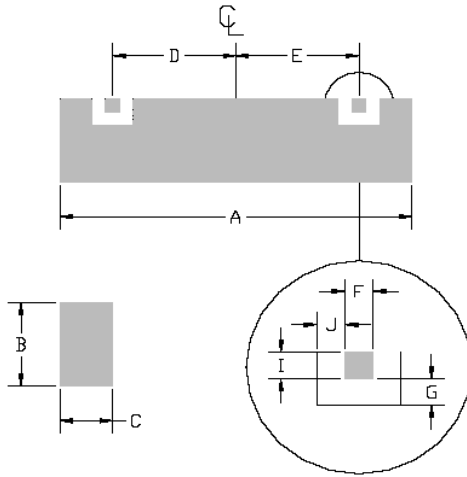
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*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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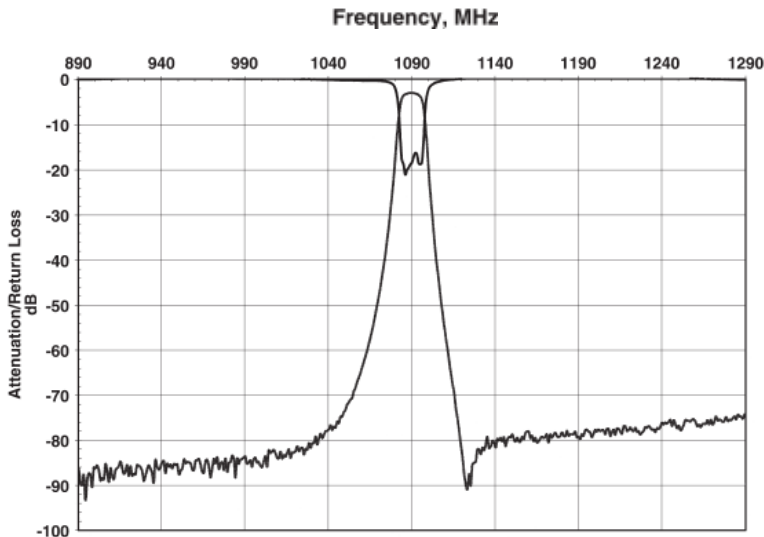
Mechanical Drawing

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

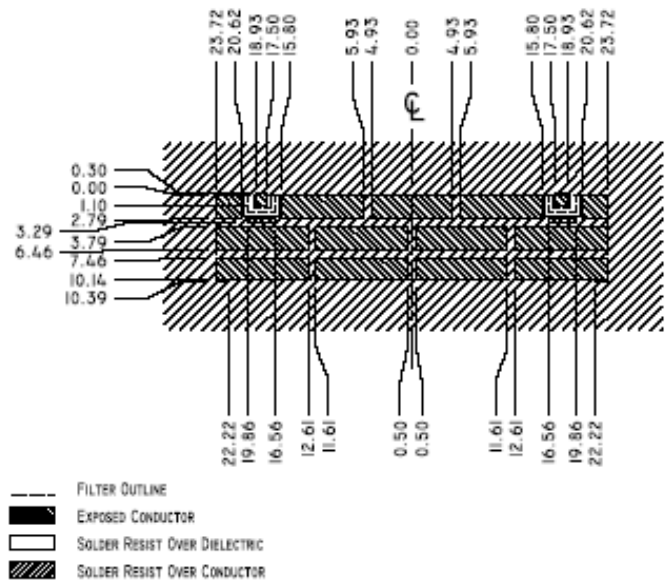


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	47.921	max
B	10.287	max
C	7.850	max
D	18.212	0.127
E	18.212	0.127
F	2.032	0.127
G	0.635	0.127
I	1.397	0.127
J	0.635	0.127

Electrical response

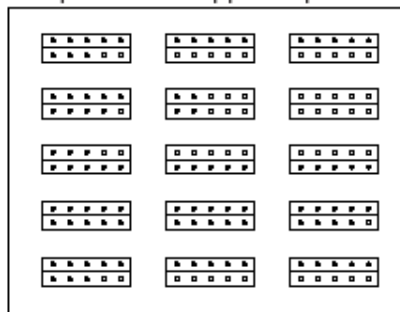
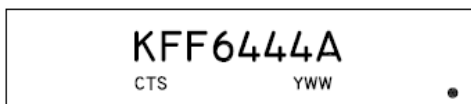


PCB Layout



Packaging and Marking

This product is shipped in pre-formed foam trays.



7 15 Slot Foam Trays
(210 per box max)

Mouser Electronics

Authorized Distributor

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