

Features

- Low Loss
- Excellent Return Loss
- High Rejection

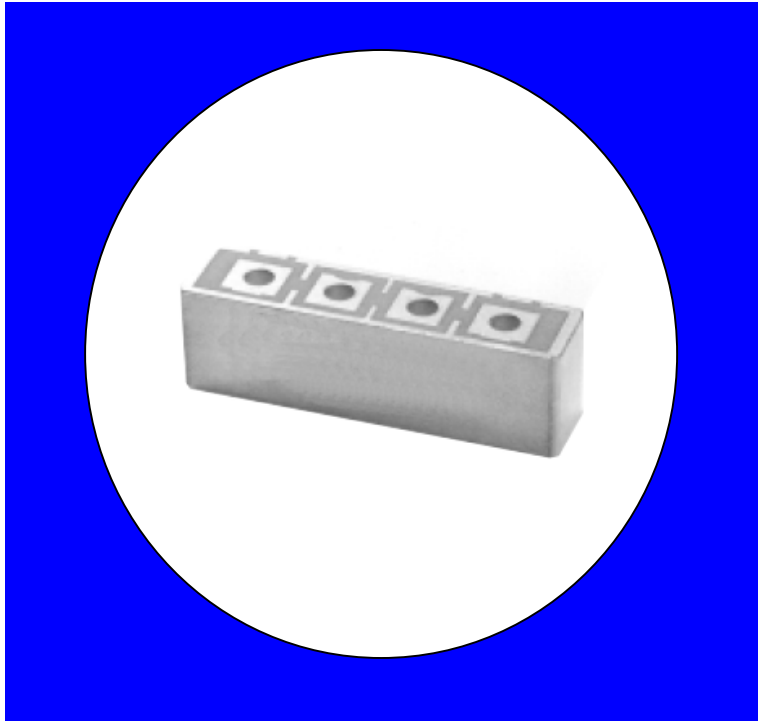
Description

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

Weight: 10.8 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 | 2.45 dB | 2.75 dB max |
| Passband Return Loss | 1087-1093 | 16.0 dB | 12.0 dB min |
| Attenuation | 1065 | 31.0 dB | 30.0 dB min |
| Attenuation | 1075 | 16.0 dB | 15.0 dB min |
| Attenuation | 1080 | 6.0 dB | 5.0 dB min |
| Attenuation | 1100 | 11.0 dB | 10.0 dB min |
| Attenuation | 1105 | 23.6 dB | 20.0 dB min |
| Attenuation | 1115 | 32.0 dB | 30.0 dB min |
| Power Rating | | | 1W |
| Impedance | | | 50 Ω |

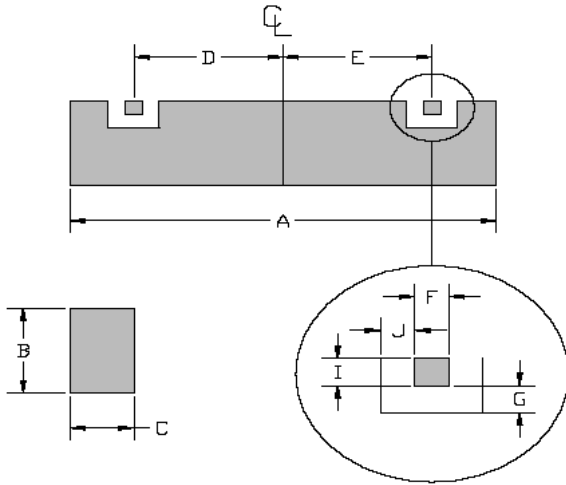
Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

| 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.

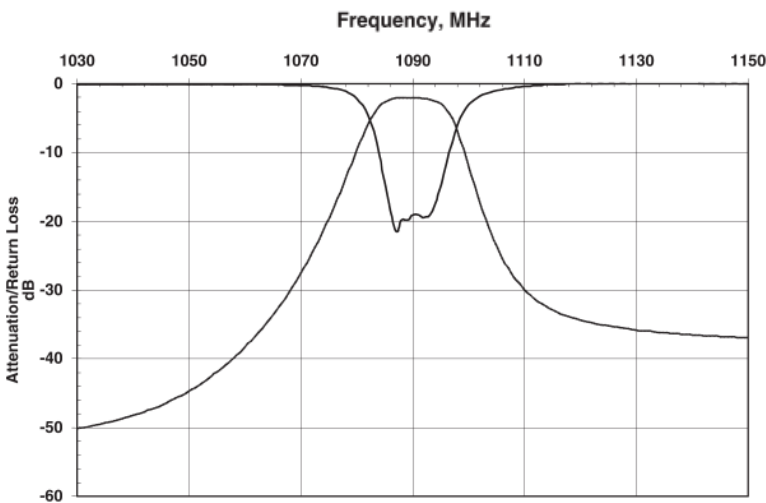
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Mechanical Drawing

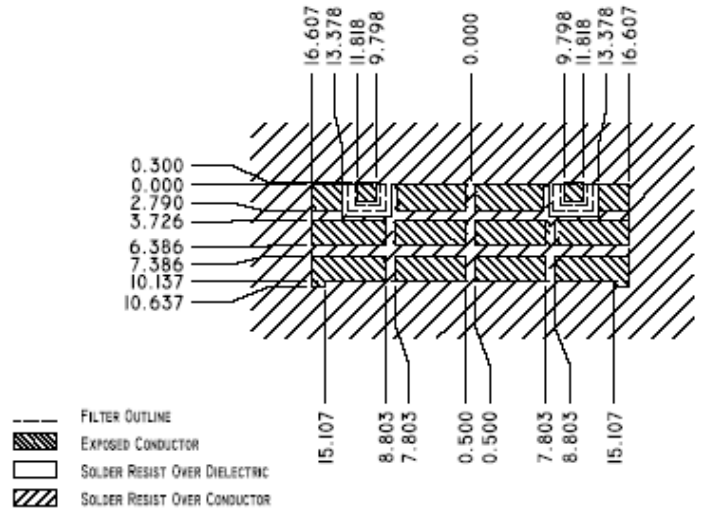


| Dim | Nominal (mm) | Tolerance (mm) +/- or max |
|-----|--------------|------------------------------|
| A | 33.580 | max |
| B | 10.363 | max |
| C | 7.850 | max |
| D | 10.808 | 0.127 |
| E | 10.808 | 0.127 |
| F | 2.616 | 0.127 |
| G | 0.762 | 0.127 |
| I | 2.286 | 0.127 |
| J | 0.762 | 0.127 |

Electrical response

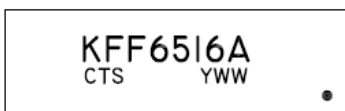


PCB Layout



Packaging and Marking

This product is shipped in pre-formed foam trays.



10 28 Slot Foam Trays
(280 per box)