

### Features

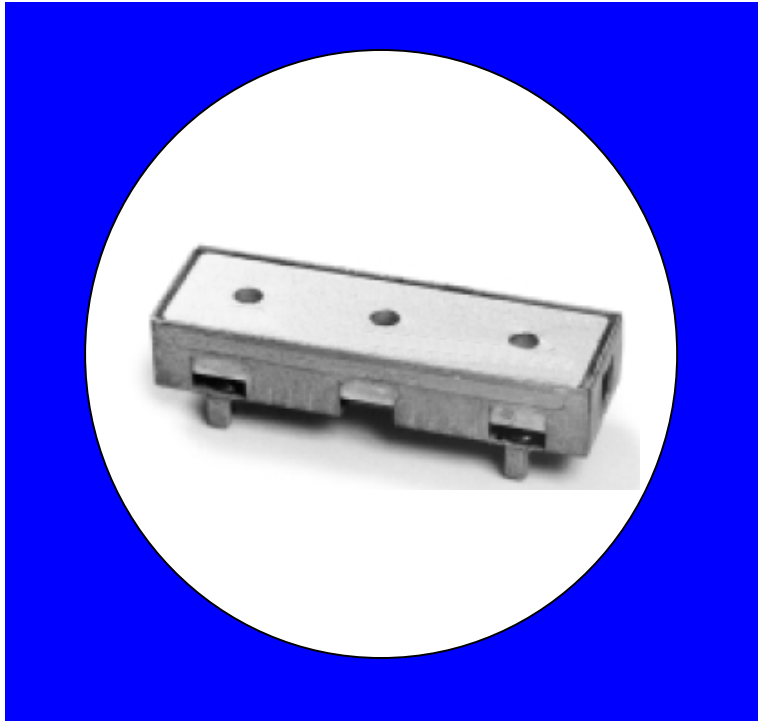
- Low Loss
- Excellent Return Loss
- Symmetrical Attenuation

### Description

Surface mount, silver (Ag) coated ceramic filter. Developed for use in commercial and military GPS applications.

Weight: 14.8 grams typical

Material: Filter is composed of a ceramic block plated with Ag and a bracket made of 60-40 tin lead plated cold roll steel.



### Electrical Specifications

Parameter	Frequency (MHz)	Typical @ 25°C	Spec. @ 25°C
Passband Insertion Loss	1565.4-1585.4	0.8 dB	1.0 dB max
Passband Return Loss	1565.4-1585.4	16.0 dB	12.0 dB min
Attenuation	1500.4	32.5 dB	30.0 dB min
	1650.4	33.5 dB	30.0 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

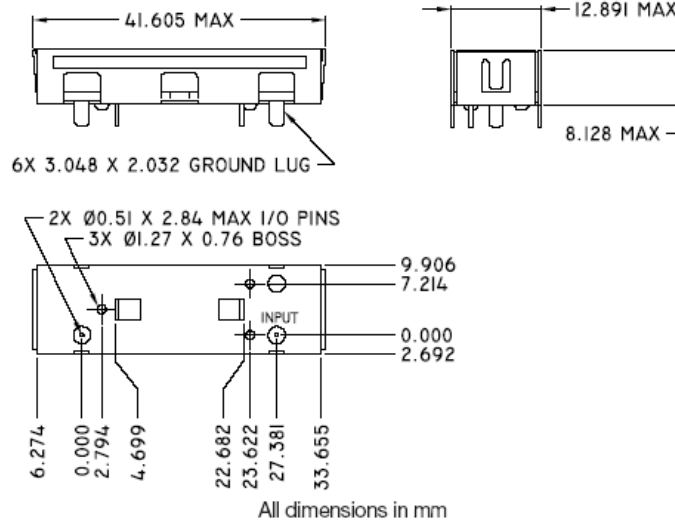
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

\*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.

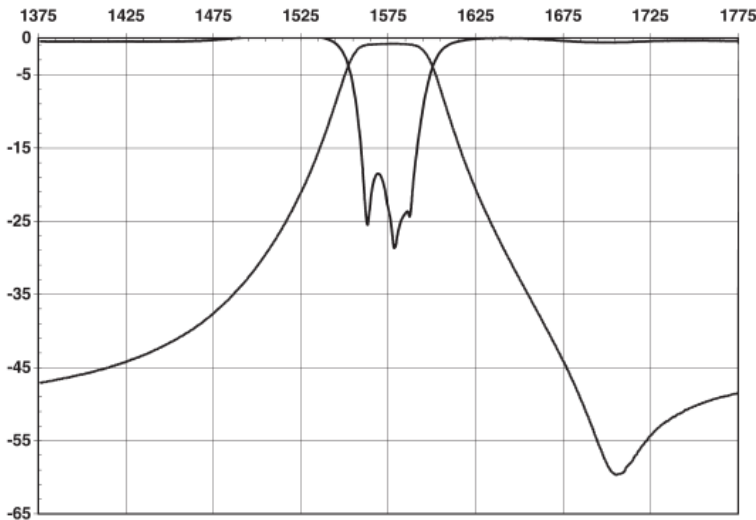
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## Mechanical Drawing

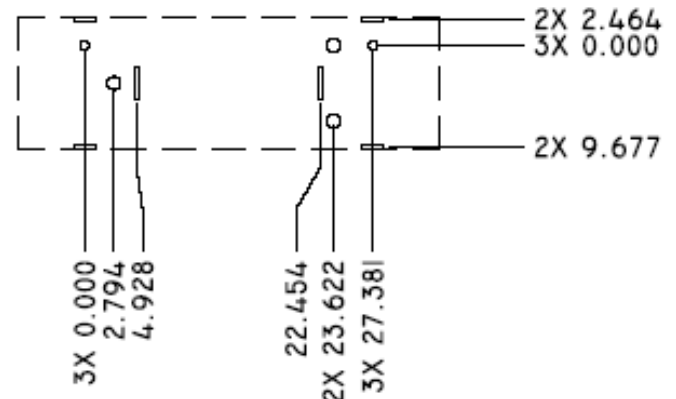
Rev 0 – Origin Date: July 11, 2005 – Revision Date: July 11, 2005



## Electrical response



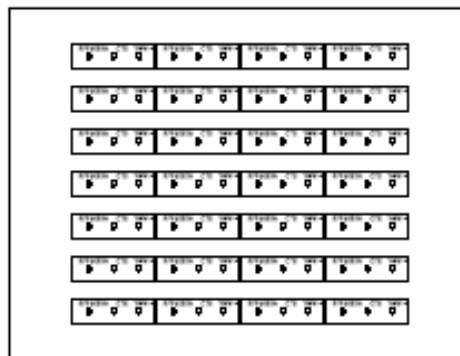
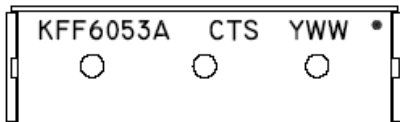
## PCB Layout



VIEW LOOKING DOWN ON FILTER TO PC BOARD

## Packaging and Marking

This product is shipped in pre-formed foam trays.



7 28 Slot Foam Trays

(196 max per box)