

### Features

- Extended pass band
- Small Size
- High Rejection

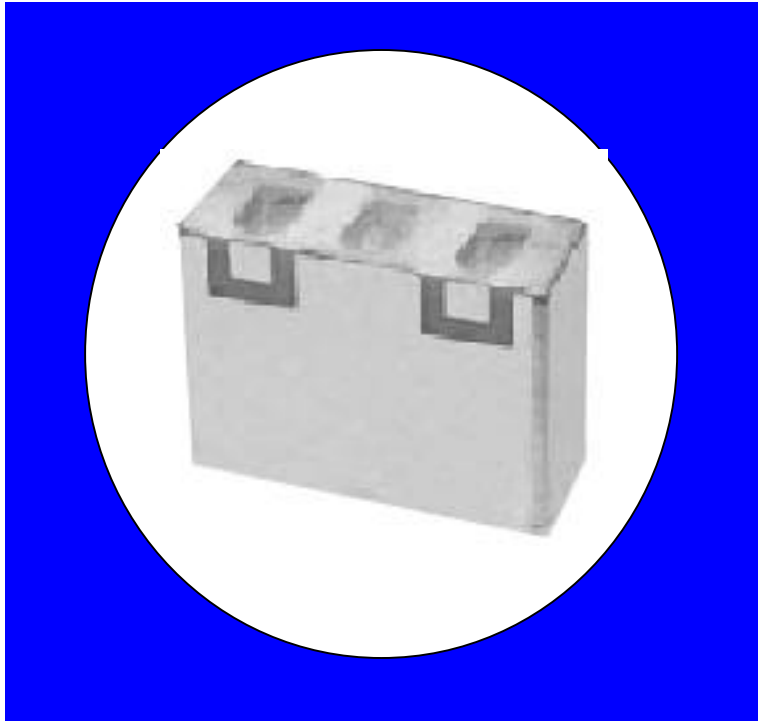
### Description

Surface mount, silver (Ag) coated ceramic filter. Developed for use in subscriber and infrastructure InMarSat applications.

Weight: 2.03 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	Specification @ 25°C	Spec over -40°C to +85°C
Passband Iloss	1525 - 1575	-1.7	-2.4	-2.6
Passband Return Loss @ Port 1	1525 - 1575	-14.0	-10.0	-10.0
Passband Return Loss @ Port 2	1525 - 1575	-14.0	-10.0	-10.0
Attenuation	1475	-15.0	-14.0	-14.0
	1626.5	-30.0	-24.0	-24.0
	1650 - 1660.6	-36.0	-32.0	-32.0
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:

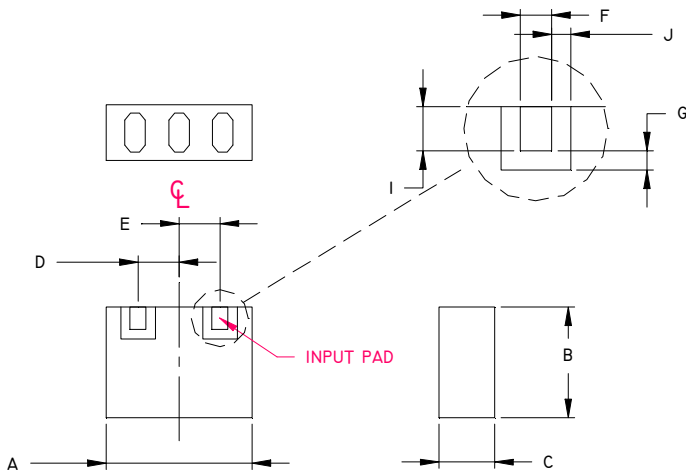
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

\*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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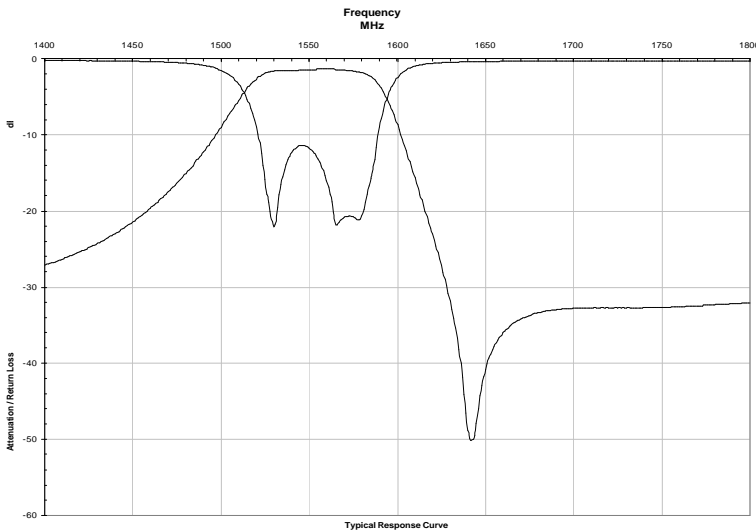
## Mechanical Drawing

Rev 1 – Origin Date: July 11, 2005 – Revision Date: March 27, 2007

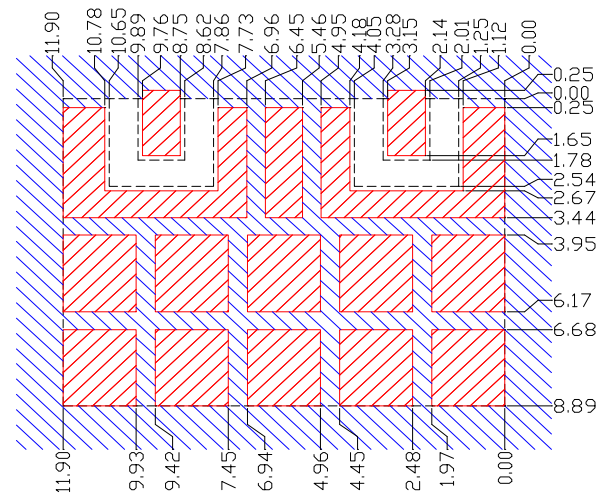


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	11.9	Max.
B	8.89	Max.
C	4.496	Max.
D	3.302	0.127
E	3.302	0.127
F	1.27	0.127
G	0.762	0.127
I	1.778	0.127
J	0.762	0.127

## Electrical response



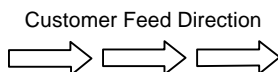
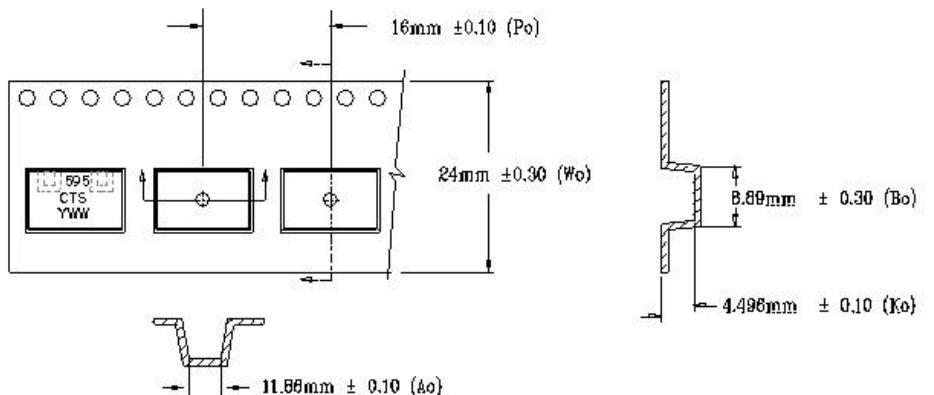
## PCB Layout



- Filter Outline
- Solder Resist Over Conductor
- Exposed Conductor
- Solder Resist Over Dielectric

## Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	2.7
REEL QUANTITY	ea.	800 Max



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