

Features

- Low Loss
- Excellent Rejection
- Small Size

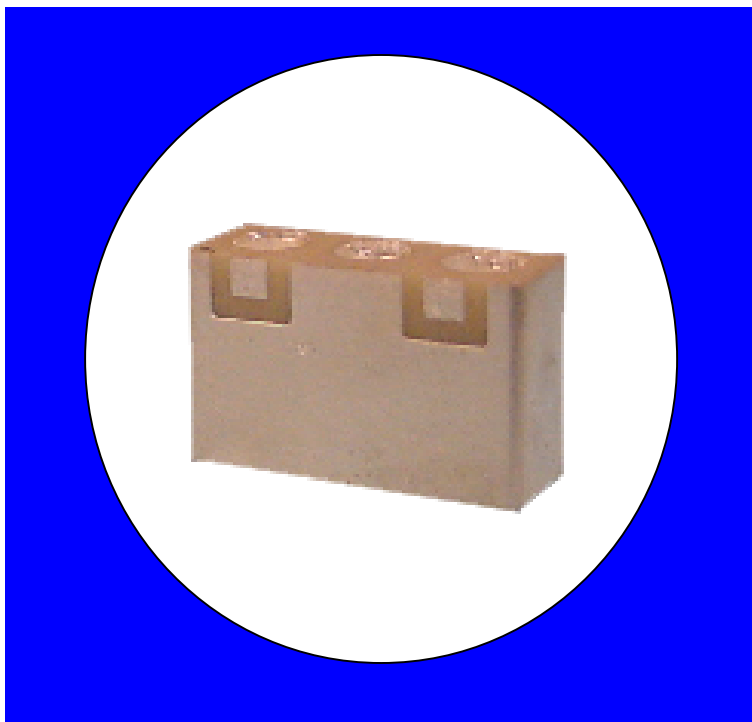
Description

Surface mount, silver (Ag) coated ceramic filter. Developed for use in Commercial and Military GPS L1 Applications.

Weight: 2.03 grams typical

Material: Filter is composed of a ceramic block coated 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	1565 - 1585	-2.2	-2.5	-2.7
Passband Ripple	1565 - 1585	0.5	0.65	0.8
Passband Return Loss @ Port 1	1565 - 1585	-13.5	-10.0	-10.0
Passband Return Loss @ Port 2	1565 - 1585	-13.5	-10.0	-10.0
Attenuation	1554	-7.0	-6.0	-5.0
	1605	-12.0	-10.0	-10.0

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

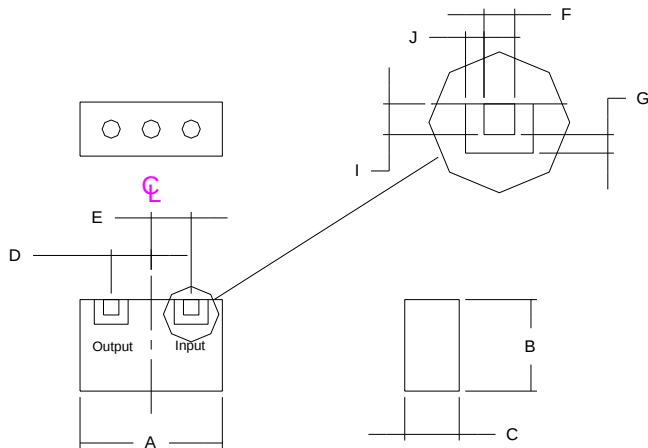
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*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 5,468,335;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.

CTS Corporation 2006 reserves all copyrights in the layout, design and configuration of the patterns on this product.

Mechanical Drawing

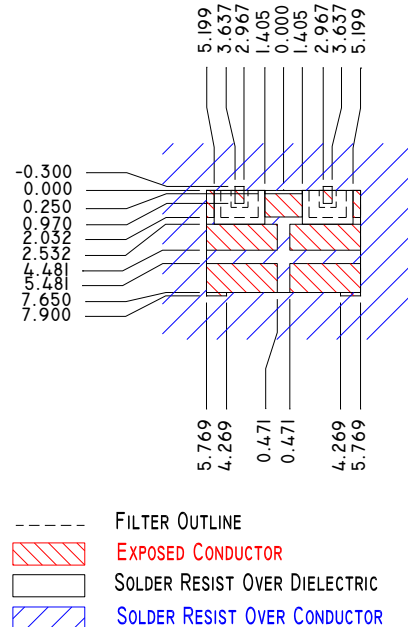
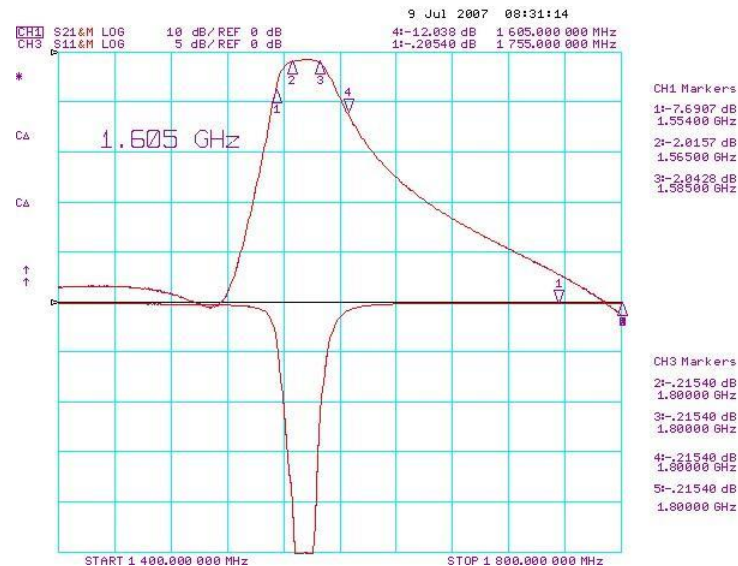
Rev 2 – Origin Date: November 16, 2007 – Revision Date: February 3, 2016



Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	11.75	Max
B	7.90	Max
C	4.50	Max
D	3.30	0.127
E	3.30	0.127
F	1.27	0.127
G	0.76	0.127
I	1.27	0.127
J	0.76	0.127

Electrical response

PCB Layout



Packaging and Marking

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

