

Features

- Low Ripple
- High Rejection
- Low Loss

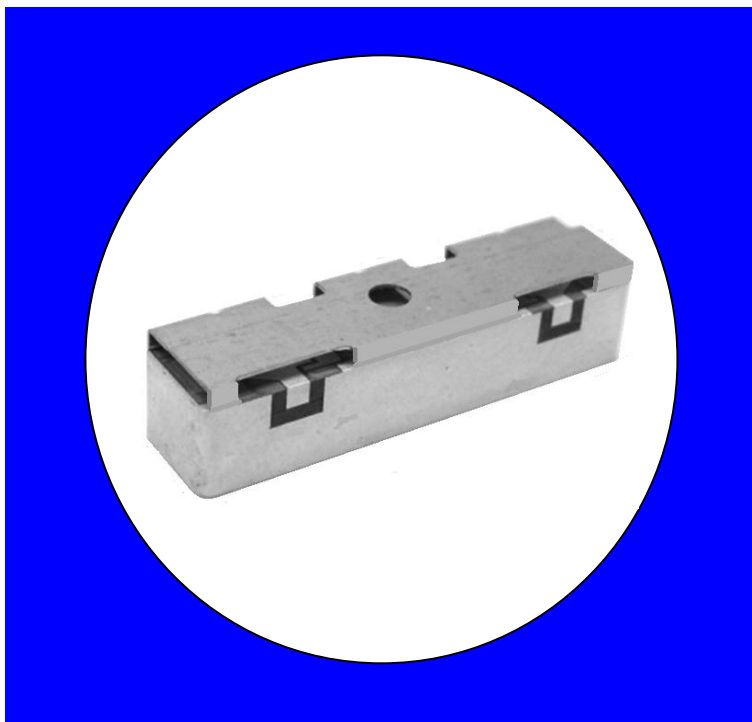
Description

Surface mount, silver (Ag) coated barium ceramic filter.

Weight: 7.94 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
Response				
Passband Iloss	1518 - 1575	-1.20	-1.40	-1.60
Passband Ripple	1518 - 1575	0.50	0.90	1.00
Passband Return Loss @ Port 1	1518 - 1575	-15.00	-14.00	-14.00
Passband Return Loss @ Port 2	1518 - 1575	-15.00	-14.00	-14.00
Attneuation	1625 - 1675	-43.00	-42.00	-42.00
Power into any port		10 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

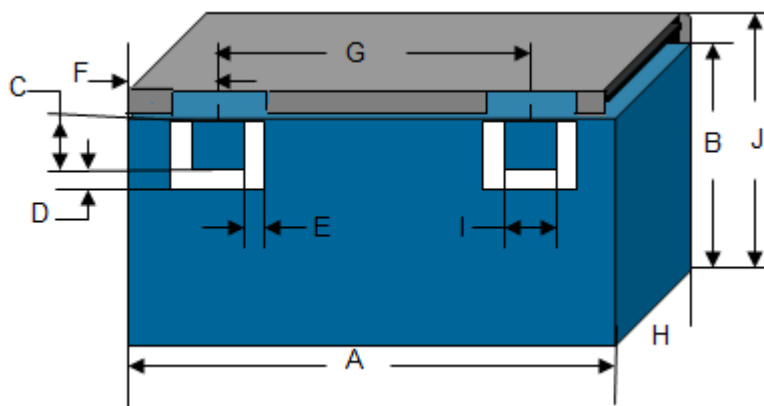
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*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 931062 28.4;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

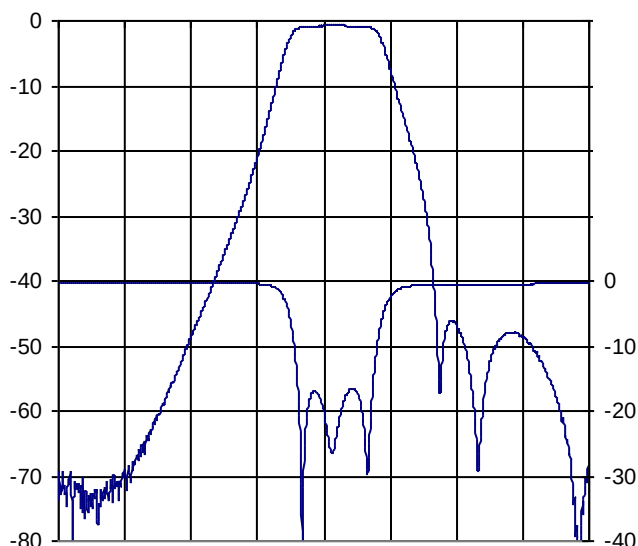
Rev A – Origin Date: August 19, 2024 – Revision Date: August 19, 2024



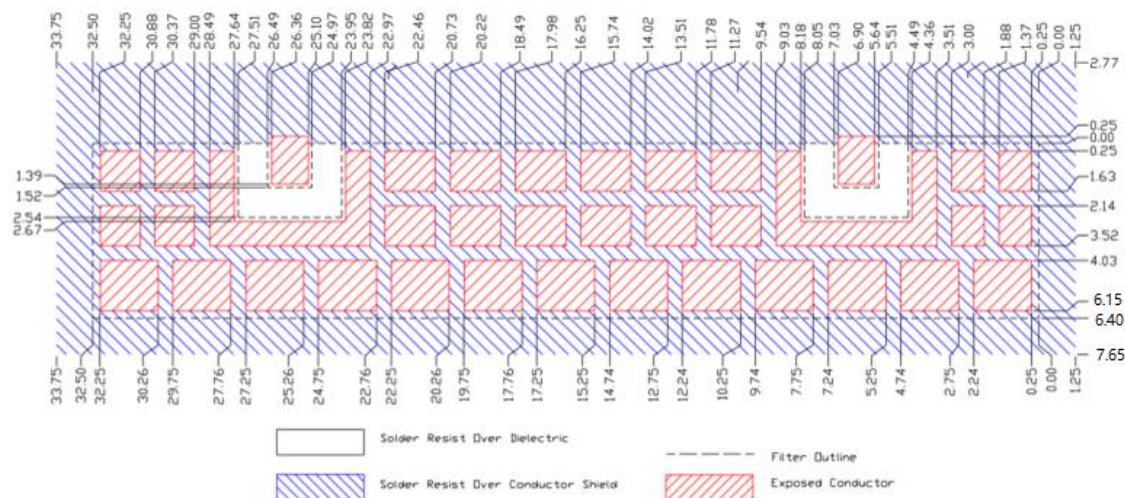
Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	32.50	Max
B	6.40	max
C	1.52	0.13
D	1.02	0.13
E	1.02	0.13
F	6.27	0.25
G	19.46	0.13
H	8.00	Max
I	1.52	0.13
J	8.00	Max

Electrical response

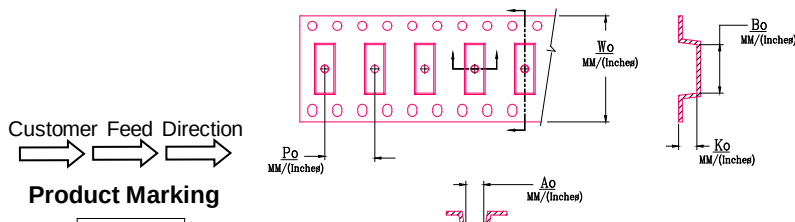
1338 1388 1438 1488 1538 1588 1638 1688 1738



PCB Layout



Packaging and Marking



Product Marking

CTS
06E
YWW

Wo	Ao	Bo	Ko
Inches/mm	Inches/mm	Inches/mm	Inches/mm
7.732"/44.0	0.315"/8.0	1.291"/32.8	0.327"/8.3

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	4
REEL QUANTITY	ea.	250