

Features

- Low Ripple
- High Rejection
- Low Loss

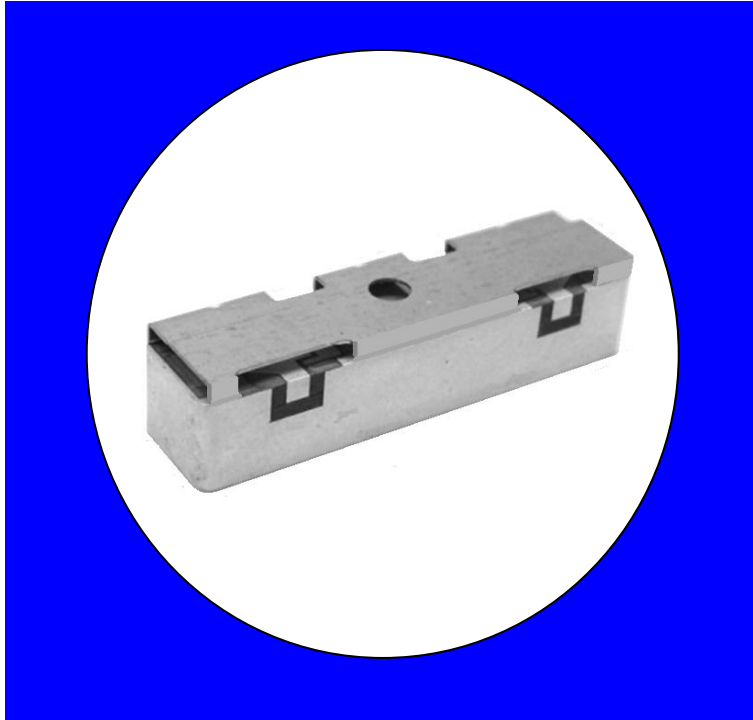
Description

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

Weight: 7.34 grams typical

Material: Filter is composed of a ceramic block plated with Ag.

Filter complies with RoHS standards.



Electrical Specifications

<u>Parameter</u>	Frequency MHz	Typical @ 25°C	Specification @ 25°C	Spec over -40°C to +85°C
Response				
Passband lloss	1625 - 1675	-1.20	-1.30	-1.50
Passband Ripple	1625 - 1675	0.80	0.90	1.00
Passband Return Loss @ Port 1	1625 - 1675	-14.50	-12.00	-12.00
Passband Return Loss @ Port 2	1625 - 1675	-14.50	-12.00	-12.00
Attneuation	1518 - 1559	-47.00	-46.00	-45.00
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

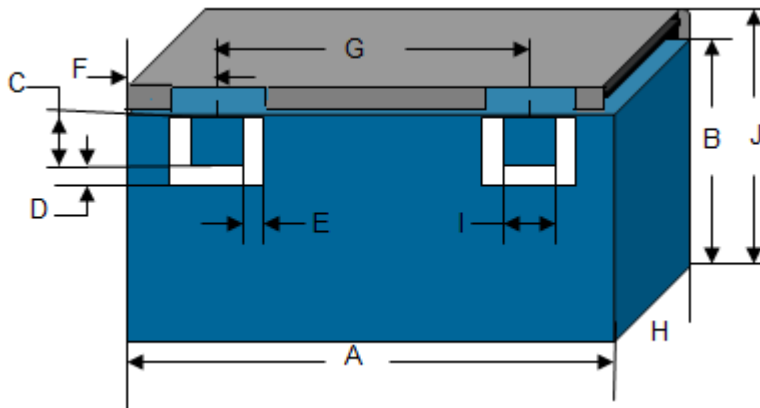
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*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.

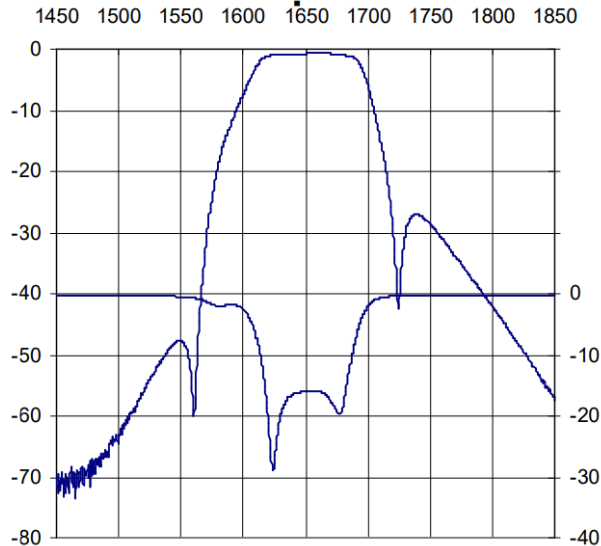
Mechanical Drawing

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

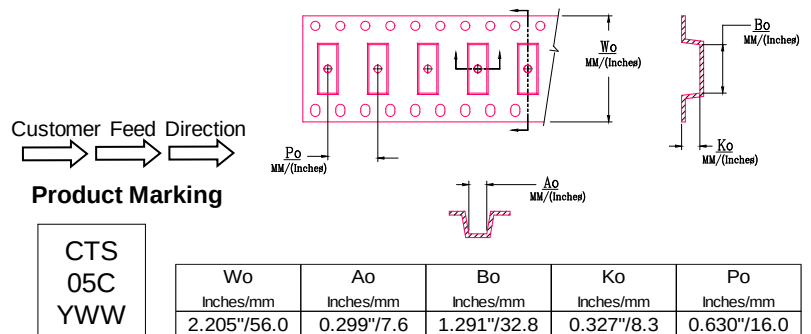


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	32.50	Max
B	6.00	max
C	1.52	0.13
D	1.02	0.13
E	1.02	0.13
F	6.27	0.25
G	19.46	0.13
H	8.00	Max
I	1.52	0.13
J	7.27	Max

Electrical response



Packaging and Marking



Product Marking

CTS
05C
YWW

Wo	Ao	Bo	Ko	Po
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
2.205"/56.0	0.299"/7.6	1.291"/32.8	0.327"/8.3	0.630"/16.0

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

PCB Layout

