

Features

- High Rejection
- Low Loss
- Small Size

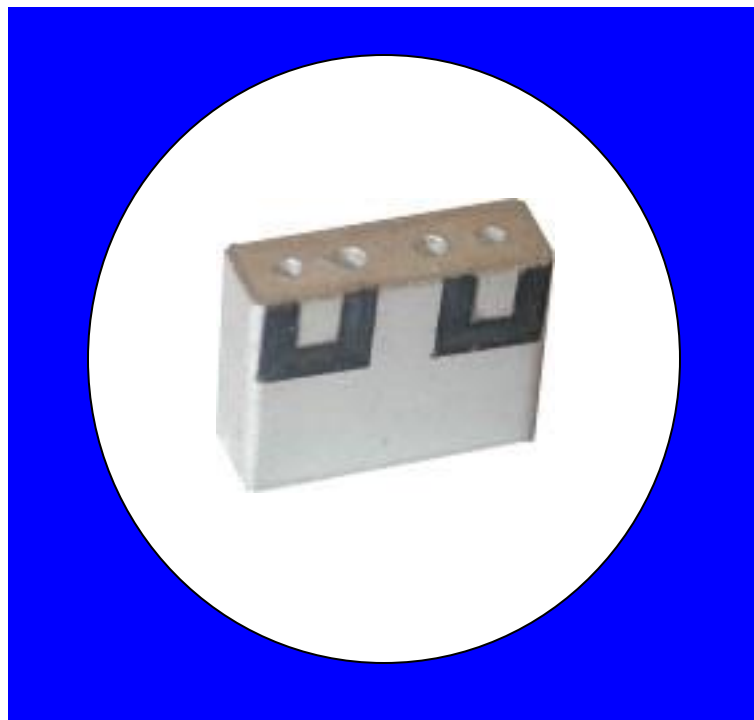
Description

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

Weight: 0.35 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
Passband lloss	3600 - 3800	-1.3	-1.5	-1.7
Passband Ripple	3600 - 3800	0.5	0.8	1.0
Passband Return Loss @ TX	3600 - 3800	-15.0	-10.0	-10.0
Passband Return Loss @ Ant	3600 - 3800	-15.0	-10.0	-10.0
	2600 - 2700	-40.0	-30.0	-30.0
Attenuation	3350	-38.0	-35.0	-35.0
	4000	-46.0	-35.0	-35.0
	5100 - 6000	-33.0	-30.0	-30.0
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:

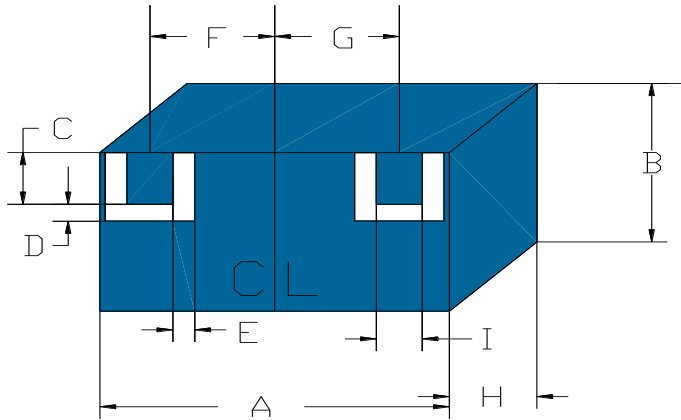
<u>Specification Allowance</u>	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*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.

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

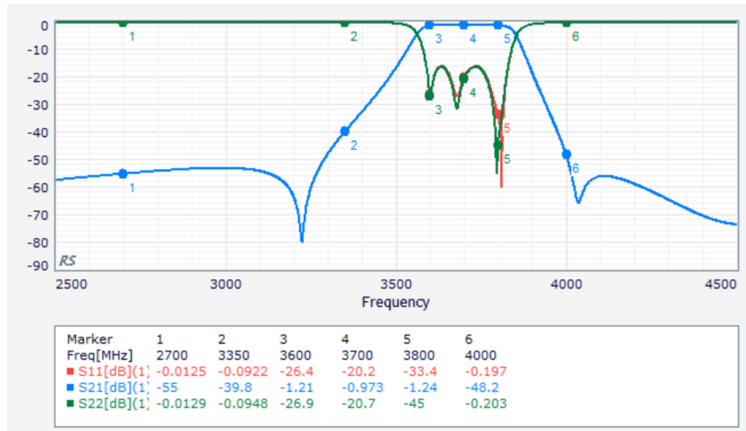
Mechanical Drawing

Rev A – Origin Date: February 21, 2025 – Revision Date: February 21, 2025

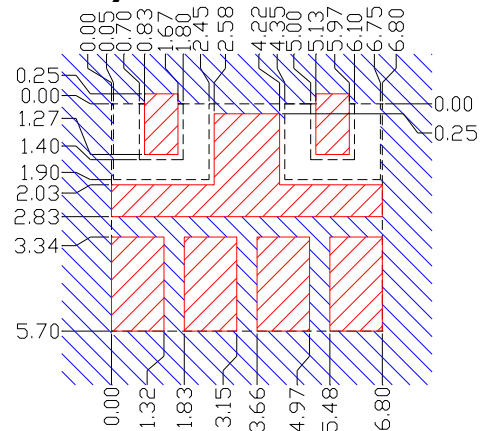


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	6.8	max
B	5.5	max
C	1.40	0.13
D	0.5	0.13
E	0.65	0.13
F	2.151	0.25
G	2.151	0.25
H	2.4	max
I	1.10	0.13

Electrical response



PCB Layout



----- Filter Outline

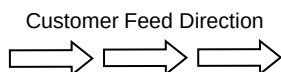
Exposed Conductor

Solder Resist Over Dielectric

Solder Resist Over Conductor

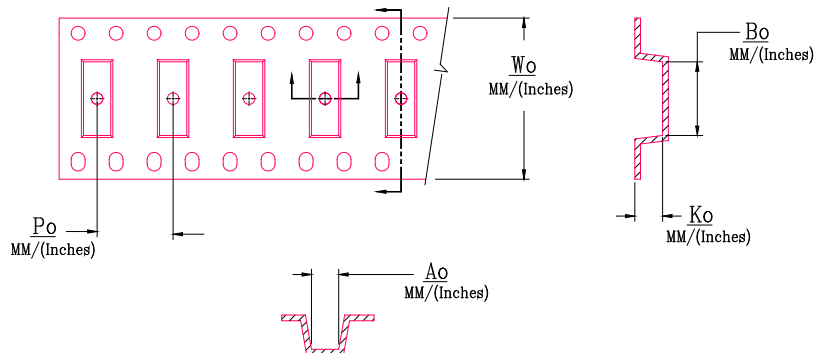
Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	1.5
REEL QUANTITY	ea.	1000



Product Marking

CTS
25G
YWW



Wo	Ao	Bo	Ko	Po
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
0.630"/16	0.257"/6.52	0.280"/7.1	0.102"/2.60	0.472"/12.00