

Features

- Small Size
- High Rejection
- Low Loss

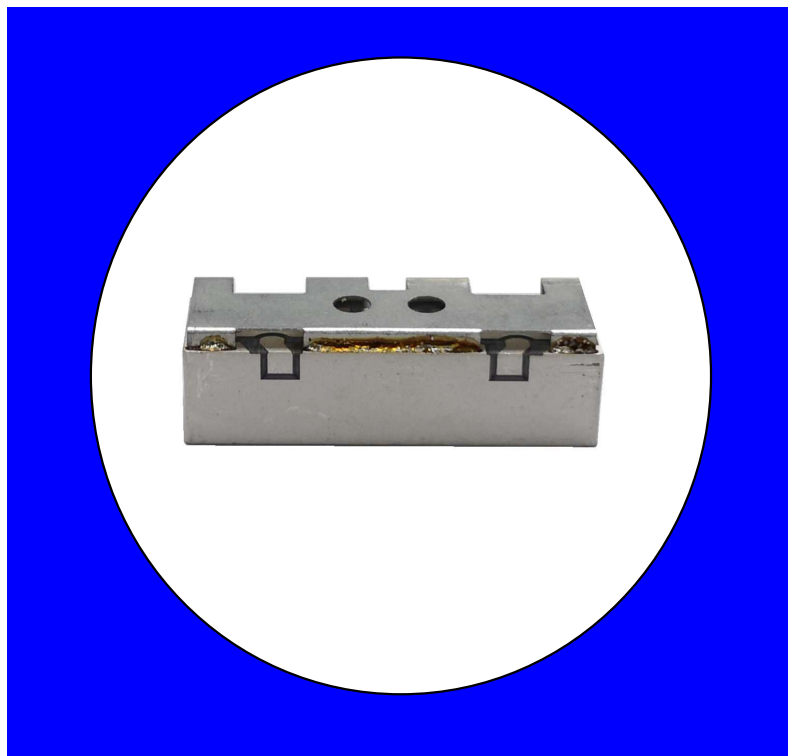
Description

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

Weight: 6.7 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 lloss	1573.9 - 1576.9	-1.70	-1.90	-2.00
Passband Ripple	1573.9 - 1576.9	0.15	0.20	0.20
Passband Return Loss @ Port 1	1572.4 - 1578.4	-15.00	-14.00	-14.00
Passband Return Loss @ Port 2	1572.4 - 1578.4	-15.00	-14.00	-14.00
Attenuation	1 - 1000	-68.00	-60.00	-60.00
	1000 - 1160	-62.00	-55.00	-55.00
	1160 - 1505	-48.00	-42.00	-42.00
	1505 - 1525	-47.00	-34.00	-34.00
	1525 - 1560	-6.50	-5.00	-5.00
	1590 - 1615	-6.50	-5.00	-5.00
	1615 - 1625	-33.50	-32.00	-32.00

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:

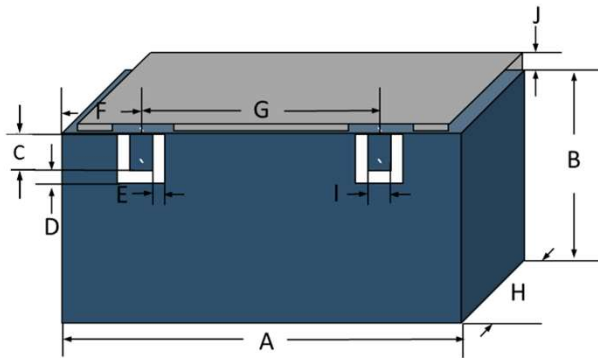
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*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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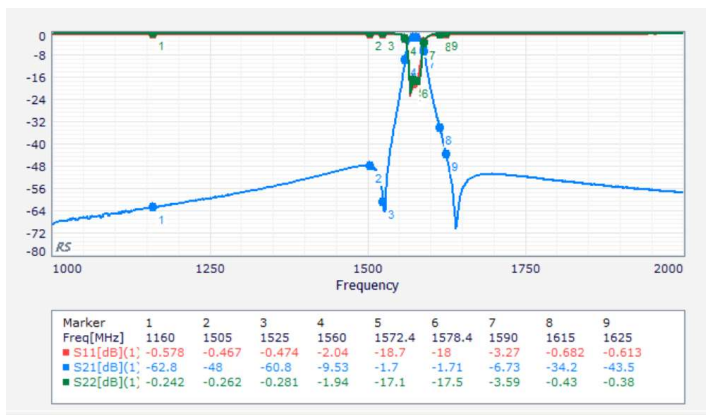
Mechanical Drawing

Revision B – Origin Date: October 16, 2019 – Revision Date: March 6, 2020

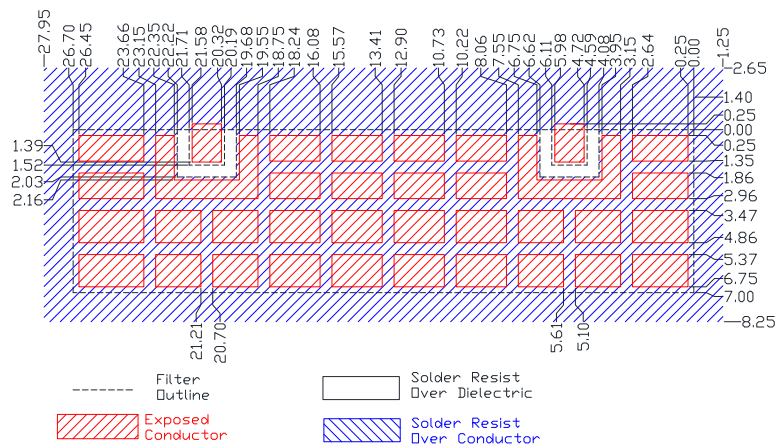


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	26.70	max
B	7.00	max
C	1.52	0.13
D	0.51	0.13
E	0.51	0.13
F	5.35	0.13
G	15.6	0.13
H	8.40	max
I	1.52	0.13
J	1.40	0.2

Electrical response

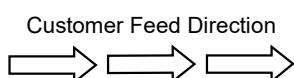


PCB Layout



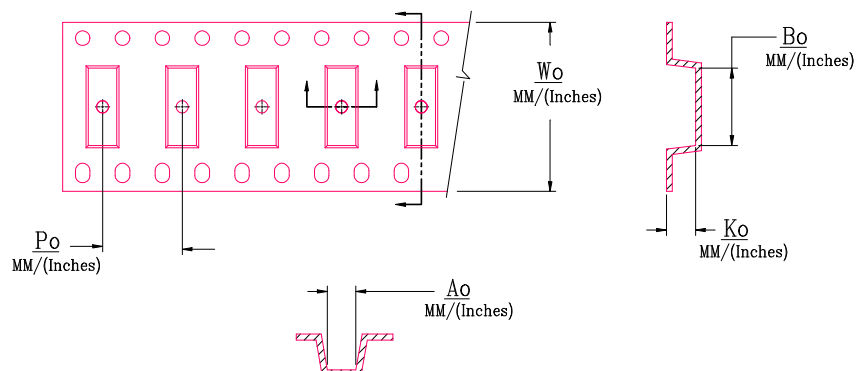
Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	1.7
REEL QUANTITY	ea.	1000



Product Marking

CTS
414
YWW



Wo	Ao	Bo	Ko	Po
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
1.732"/44	0.354"/9.0	1.055"/26.8	0.343"/8.7	0.630"/16