

Features

- High Rejection
- Low ripple
- Small Size

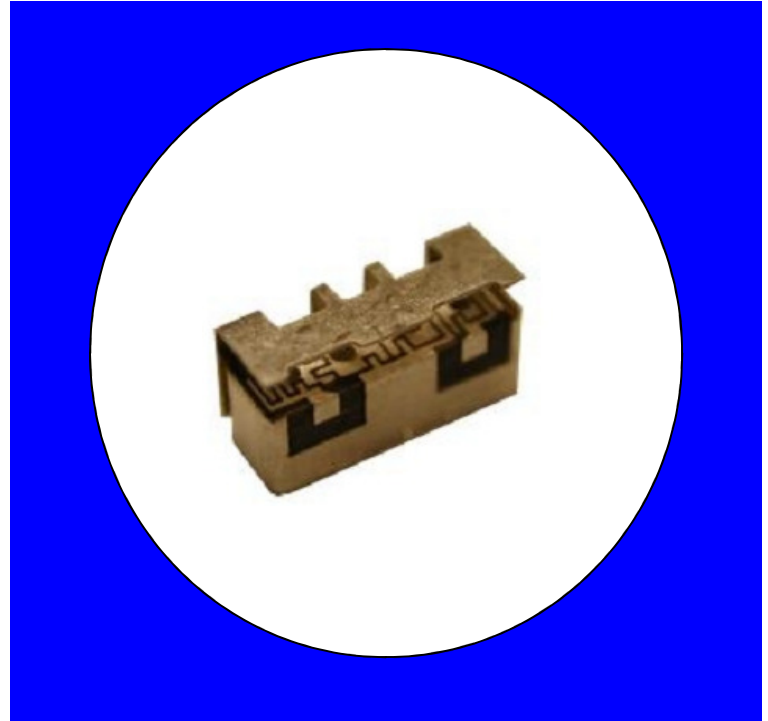
Description

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

Weight: 0.5 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
TX to Antenna Response				
Passband lloss	5150 - 5875	-0.8	-1.0	-1.2
Passband Ripple	5150 - 5875	0.3	0.6	0.8
Passband Return Loss @ TX	5150 - 5875	-12.5	-10.0	-10.0
Passband Return Loss @ Ant	5150 - 5875	-12.5	-10.0	-10.0
Attenuation	3300 - 3800	-45.0	-35.0	-35.0
	2500	-42.0	-35.0	-35.0
	1980	-47.0	-35.0	-35.0
	1910	-48.0	-35.0	-35.0
	1785	-50.0	-35.0	-35.0
	915	-52.0	-35.0	-35.0
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:

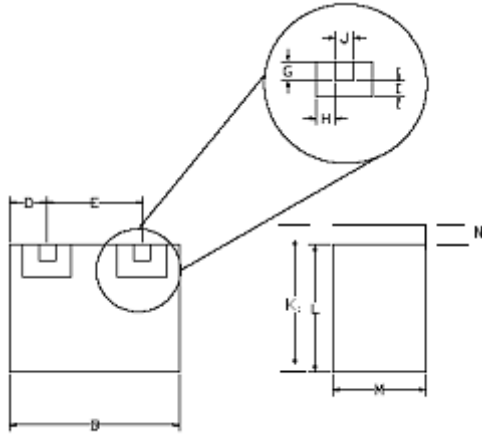
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*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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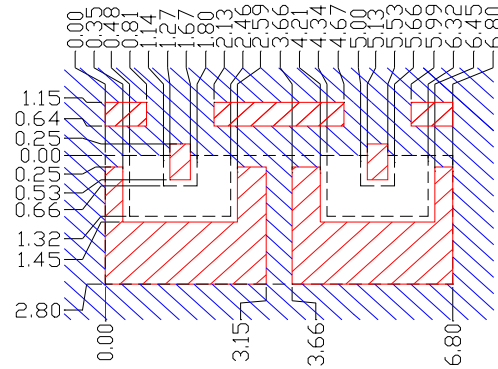
Mechanical Drawing

Rev 0 – Origin Date: September 12, 2014 – Revision Date: September 12, 2014



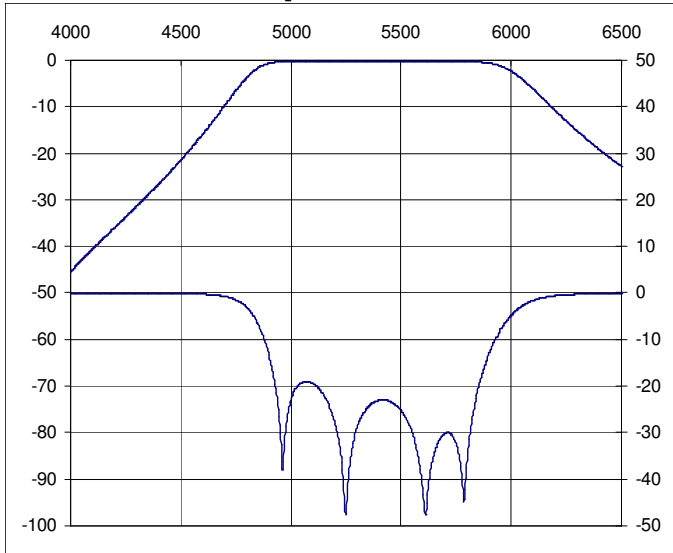
Dim	Nominal (mm)	Tolerance (mm) +/- or max
A		
B	6.8	max
C		
D	1.35	0.25
E	3.86	0.13
F		
G	0.66	0.13
H	0.66	0.13
I	0.66	0.13
J	0.66	0.13
K	3.9	max
L	2.9	max
M	2.6	max
N	0.76	0.13

PCB Layout



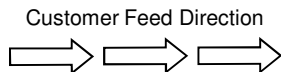
- Filter Outline
- Exposed Conductor
- Solder Resist Over Dielectric
- Solder Resist Over Conductor Shield

Electrical response



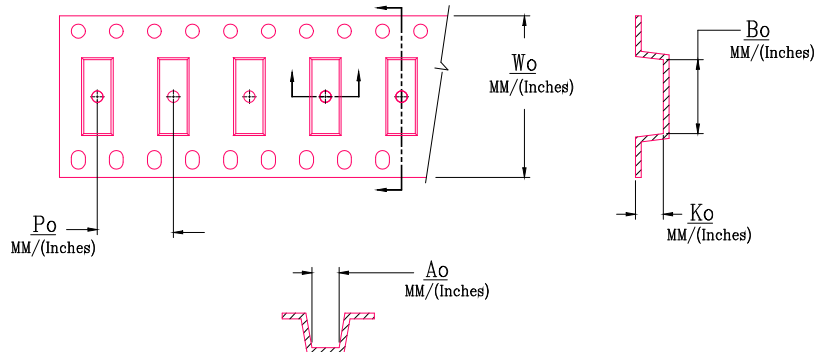
Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REELWEIGHT	kg	0.8
REEL QUANTITY	ea.	1000



Product Marking

CTS
29B
YWW



Wo	Ao	Bo	Ko	Po
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
0.630"/16	0.161"/4.1	0.280"/7.1	0.102"/2.6	0.315"/8.0