

Features

- Low Ripple
- High Rejection
- Low Loss

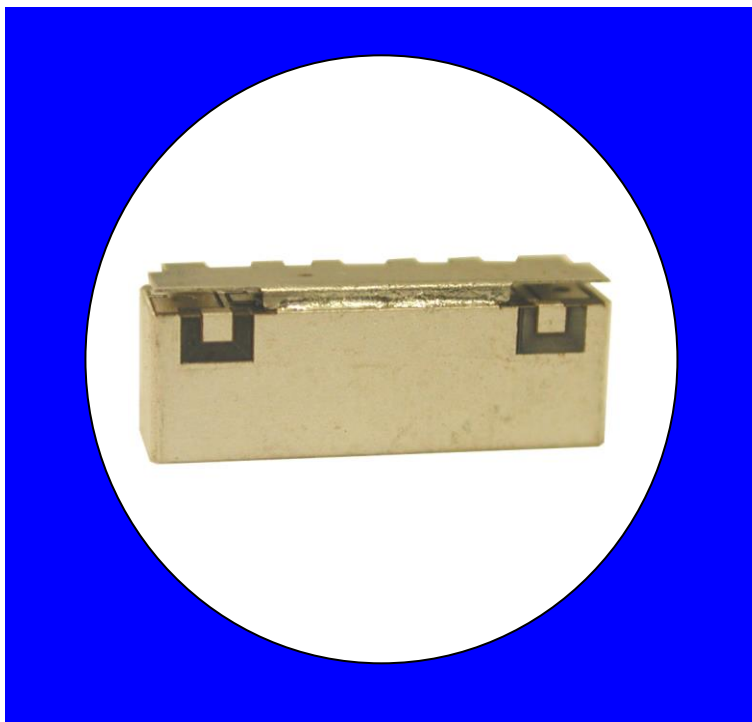
Description

Surface mount, silver (Ag) coated ceramic filter.

Weight: 4.7 grams typical

Material: Filter is composed of a ceramic block coated with Ag and a shield made of tin plated copper alloy.

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	1400 - 1500	-1.8	-2.3	-2.5
Passband Ripple	1400 - 1500	0.7	1.2	1.3
Passband Return Loss	1400 - 1500	-15.0	-14.0	-14.0
Attenuation	1350	-43.0	-40.0	-40.0
	1650	-55.0	-40.0	-40.0
	3150	-45.0	-40.0	-40.0
Power into any port		3 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

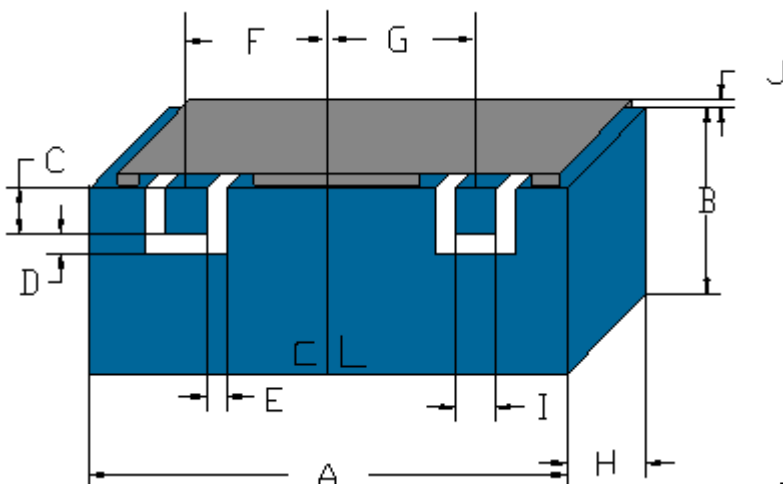
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*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.

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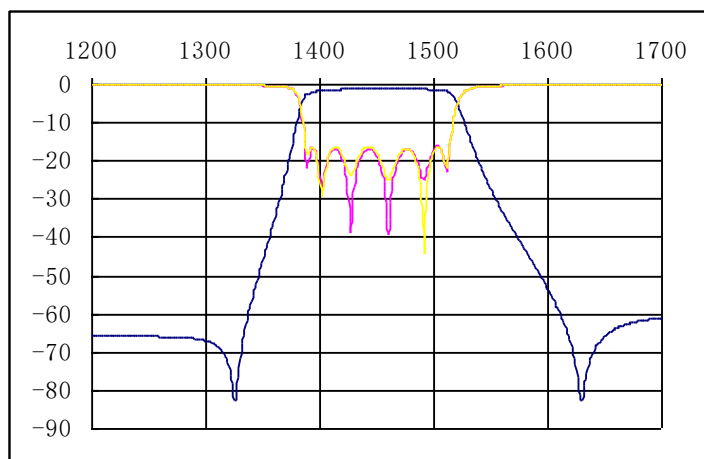
Mechanical Drawing

Preliminary A – Origin Date: August 9, 2013 – Revision Date: August 9, 2013

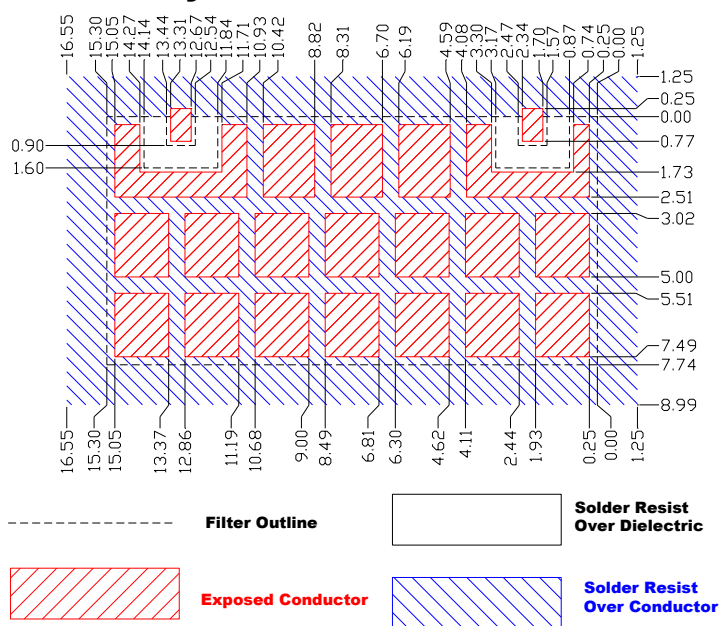


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	15.30	max
B	7.74	max
C	0.90	0.13
D	0.70	0.13
E	0.70	0.13
F	5.485	0.13
G	5.485	0.13
H	4.30	max
I	0.90	0.13
J	1.00	max

Electrical response

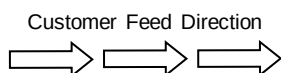


PCB Layout



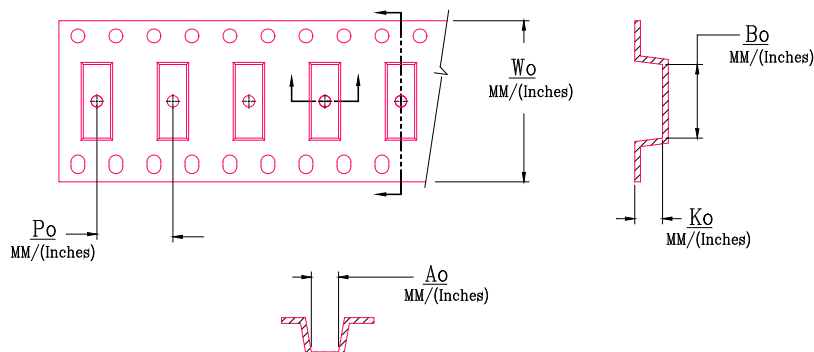
Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	5.5
REEL QUANTITY	ea.	500



Product Marking

CTS
83C
YWW



Wo Inches/mm	Ao Inches/mm	Bo Inches/mm	Ko Inches/mm	Po Inches/mm
0.945"/24	0.364"/9.25	0.622"/15.80	0.181"/4.60	0.630"/16.00