

Features

- Low Ripple
- High Rejection
- Low Loss

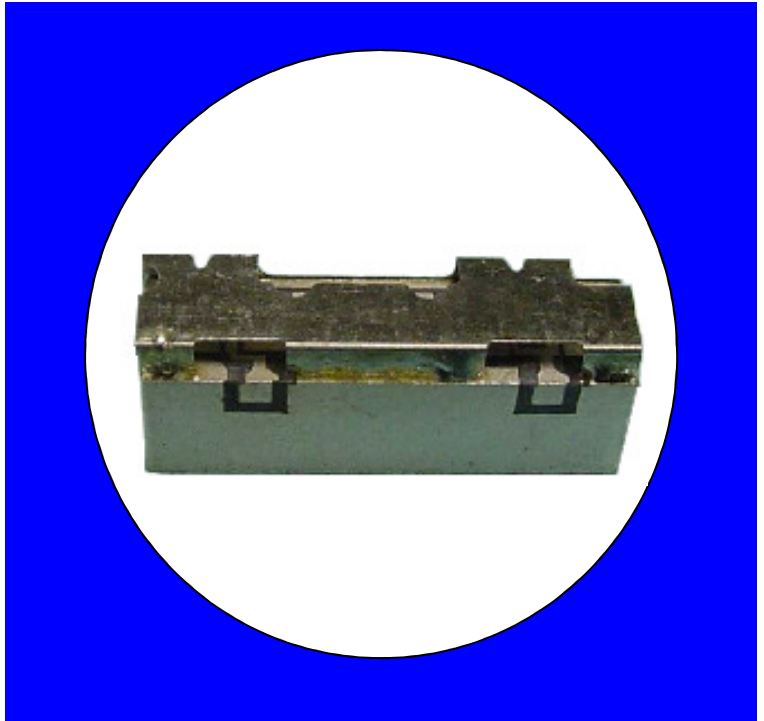
Description

Surface mount, silver (Ag) coated ceramic filter. Developed for use in BBW applications.

Weight: 4.7 grams typical

Material: Filter is composed of a ceramic block coated with Ag and a shield made of nickel silver plated steel.

Filter complies with RoHS standards.



Electrical Specifications

Parameter	Frequency MHz	Typical @ 25°C	Specification @ 25°C	Spec over -40°C to +85°C
Passband Iloss	4940 - 5850	-1.0	-1.2	-1.5
Passband Ripple	4940 - 5850	0.4	0.7	0.8
Passband Return Loss @ Port 1	4940 - 5850	-12.5	-10.0	-10.0
Passband Return Loss @ Port 2	4940 - 5850	-12.5	-10.0	-10.0
Attenuation	0.1 - 4200	-50.0	-42.0	-42.0
	8000	-30.0	-18.0	-18.0
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:

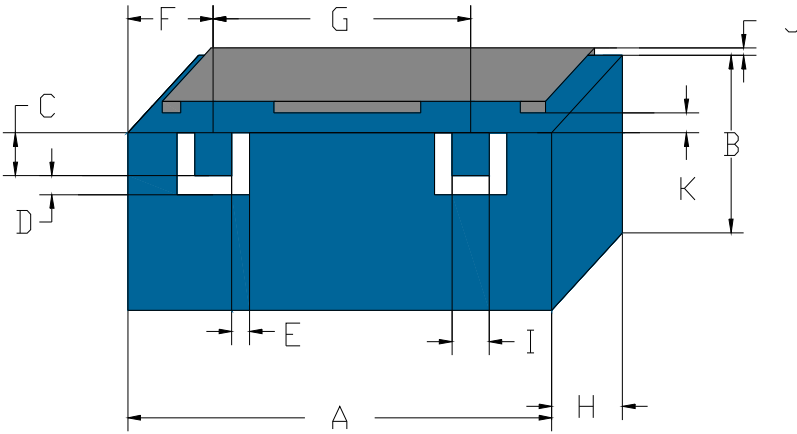
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*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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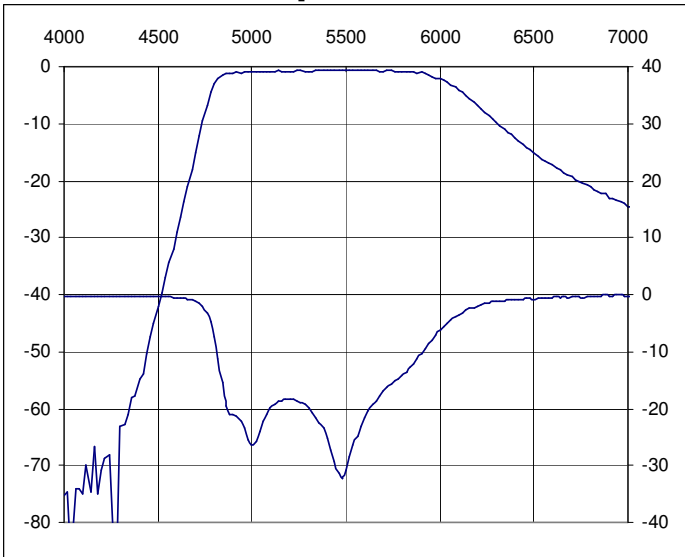
Mechanical Drawing

Revision 1: Revision Date: November 10, 2015

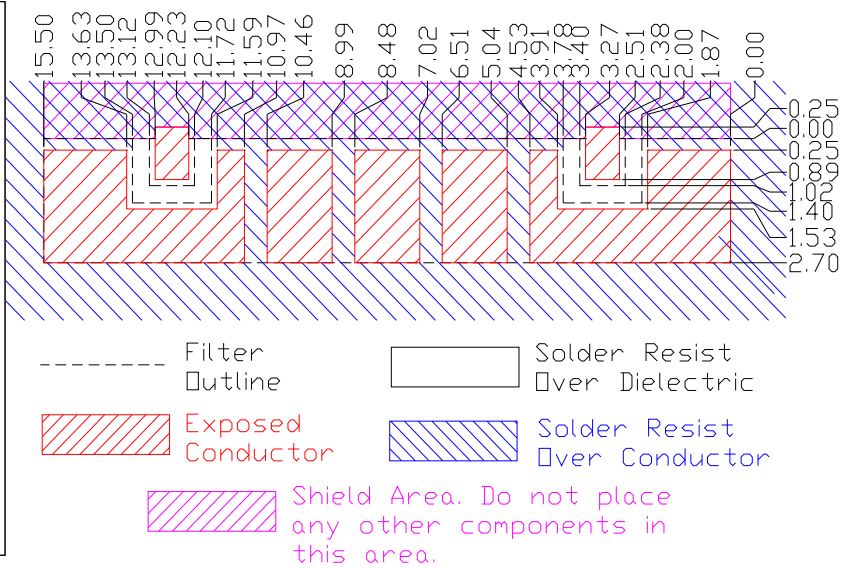


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	15.50	max
B	2.70	max
C	1.02	0.13
D	0.38	0.13
E	0.38	0.13
F	2.89	0.13
G	9.72	0.13
H	4.30	max
I	1.02	0.13
J	1.00	max
K	0.80	Min

Electrical response

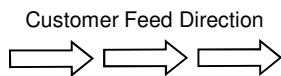


PCB Layout



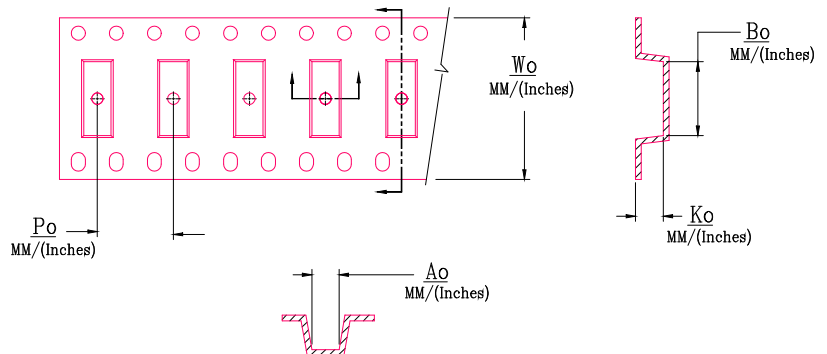
Packaging and Marking

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



Product Marking

CTS
518
YWW



Wo	Ao	Bo	Ko	Po
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
1.26"/32	0.157"/4	0.622"/15.8	0.175"/4.45	0.472"/12