

Features

- Low Ripple
- High Rejection
- Low Loss

Description

Surface mount, silver (Ag) coated ceramic filter.

Weight: 4.0 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 +110°C
Passband Iloss	4030 - 4070	-2.5	-4.8	-5.0
Passband Flatness	4030 - 4070	0.9	1.0	1.1
Passband Return Loss @ Port 1	4030 - 4070	-15.0	-14.0	-14.0
Passband Return Loss @ Port 2	4030 - 4070	-15.0	-14.0	-14.0
Attenuation	3980	-39.0	-37.0	-37.0
	4120	-39.0	-37.0	-37.0
Power into any port		2 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:

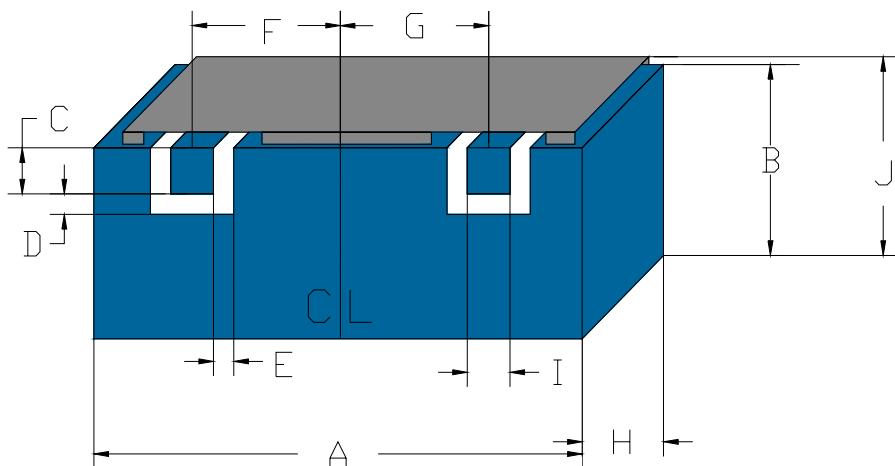
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*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

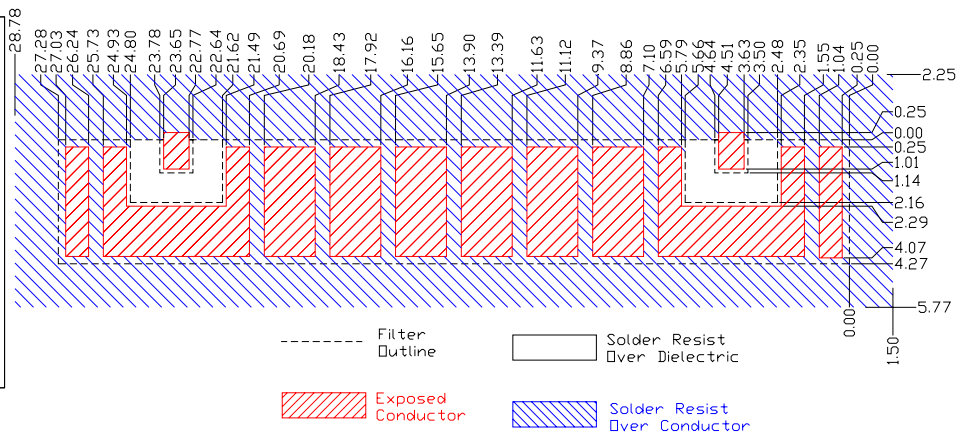
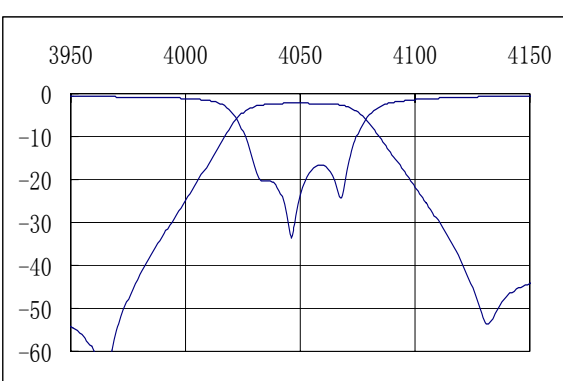
Preliminary B- Origin Date: May 17, 2012 – Revision Date: Jun 11, 2012



Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	27.3	max
B	4.73	max
C	1.14	0.13
D	1.02	0.13
E	1.02	0.13
F	9.57	0.13
G	9.57	0.13
H	6.20	max
I	1.14	0.13
J	6.24	max

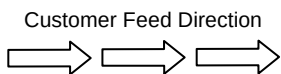
Electrical response

PCB Layout



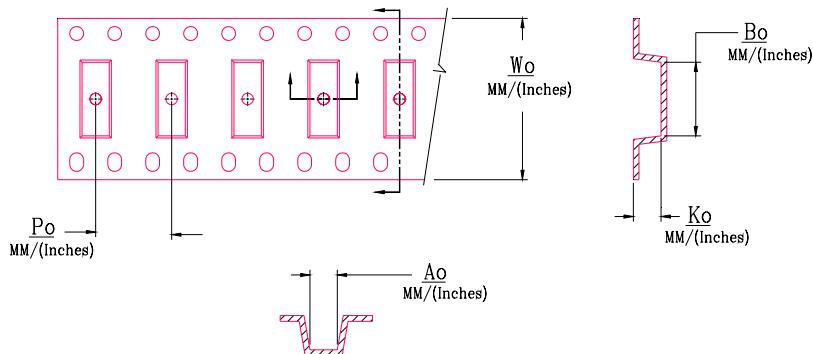
Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	2.6
REEL QUANTITY	ea.	500



Product Marking

CTS
900
YWW



Wo	Ao	Bo	Ko	Po
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
1.732"/44	0.209"/6.10	1.087"/27.6	0.256"/6.5	0.472"/12.0