

Features

- Low Loss
- Excellent Rejection

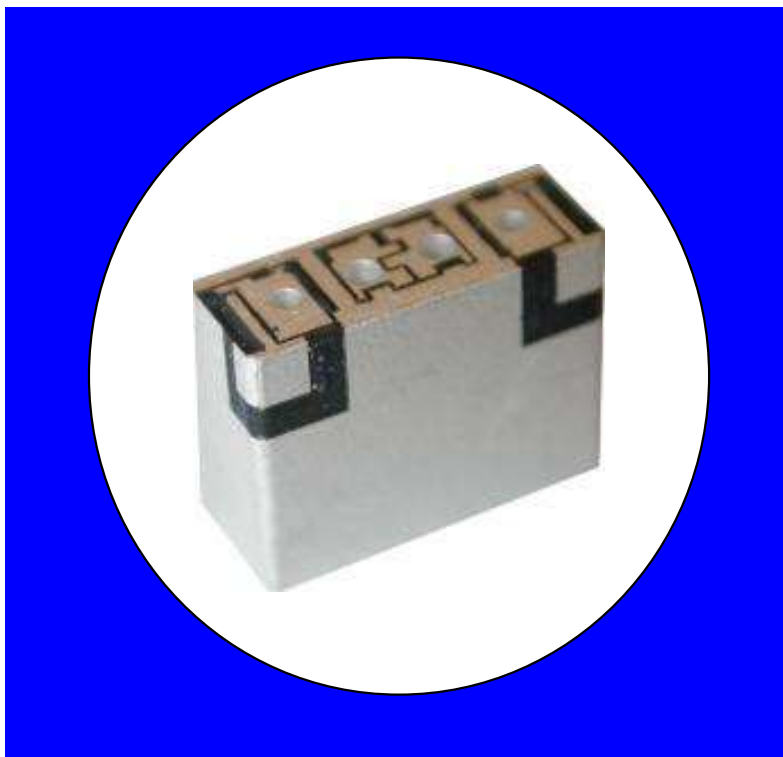
Description

Surface mount, silver (Ag) coated ceramic filter.

Weight: 1.0 grams typical

Material: Filter is composed of a ceramic block coated with Ag.

Filter complies with RoHS standards.



Electrical Specifications

Parameter	Frequency MHz	Typical @ 25°C	Specification @ 25°C
Passband Iloss	1508 - 1628	-1.2	-1.5
Passband Flatness (CTS Ripple)	1508 - 1628	0.2	0.5
Passband Ripple	1508 - 1628	0.2	0.3
Passband Return Loss @ Port 1	1508 - 1628	-16.0	-14.0
Passband Return Loss @ Port 2	1508 - 1628	-16.0	-14.0
Passband Group Delay Variation	1508 - 1628	3.5	5.0
Attenuation	0.1 - 1000	-50.0	-40.0
	1380	-43.0	-40.0
	1800	-43.0	-40.0
	2200	-40.5	-38.0
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:

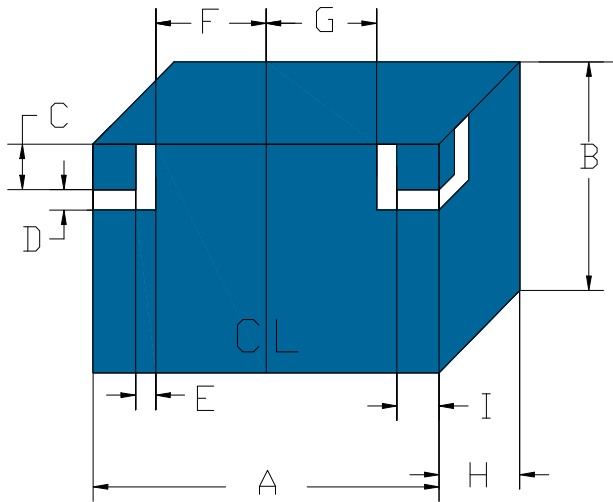
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*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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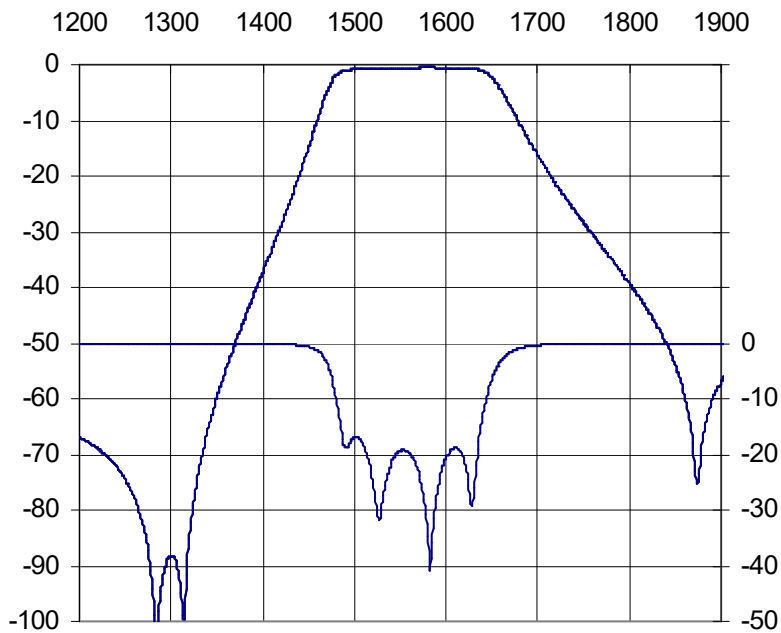
Mechanical Drawing

Rev 1 – Origin Date: January 29, 2008 – Revision Date: April 28, 2010

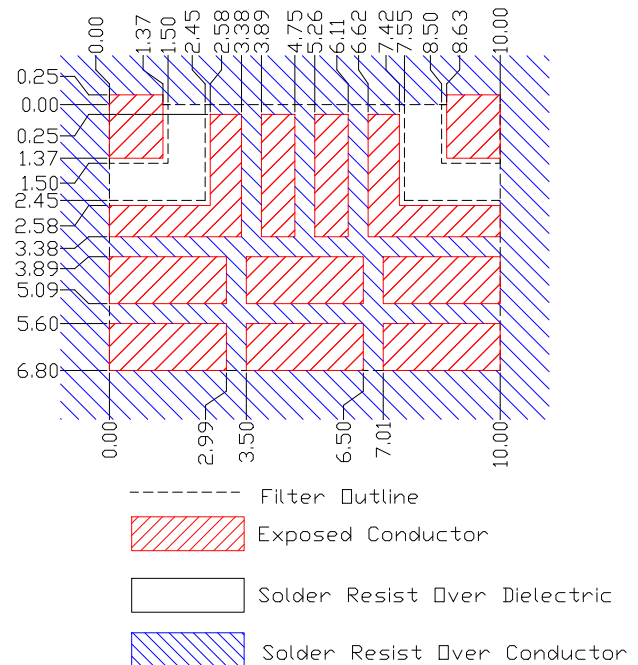


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	10.00	Max
B	6.80	Max
C	1.50	0.13
D	0.95	0.13
E	0.95	0.13
F	2.55	0.13
G	2.55	0.13
H	4.00	Max
I	1.50	0.13

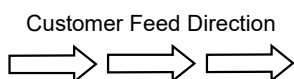
Electrical response



PCB Layout

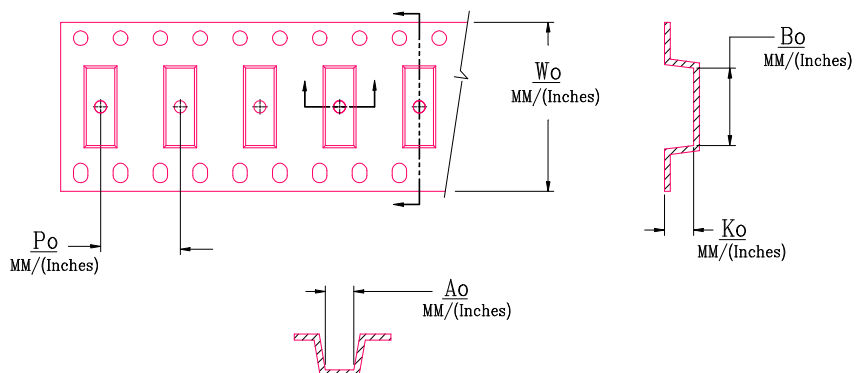


DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	1.6
REEL QUANTITY	ea.	1000



Product Marking

MCV
556
YWW



Wo	Ao	Bo	Ko	Po
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
0.630"/16	0.283"/7.2	0.413"/10.5	0.161"/4.1	0.472"/12.00