

Features

- Low Loss
- Low Ripple
- High Rejection

Description

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

Weight: 0.43 grams typical.

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

Filter complies with RoHS standards.



Electrical Specifications

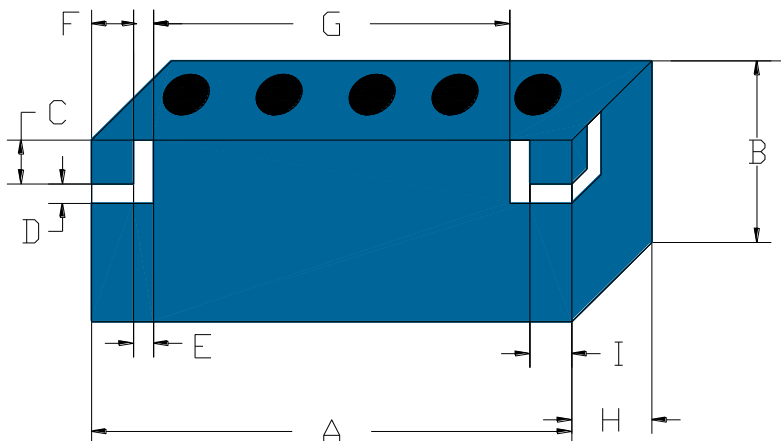
Parameter	Frequency MHz	Typical @ 25°C	Specification @ 25°C	Spec over -40°C to +85°C
Passband lloss 1	3420 - 3450	-2.1	-2.7	-3.0
Passband Ripple 1	3420 - 3450	0.2	0.5	0.5
Passband Return Loss @ Port 1	3420 - 3450	-16.0	-14.0	-14.0
Passband Return Loss @ Port 2	3420 - 3450	-16.0	-14.0	-14.0
Attenuation	0.1 - 2500	-43.0	-36.0	-35.0
	2936 - 2966	-45.0	-41.0	-40.0
	3178 - 3208	-41.0	-36.0	-35.0
	3299 - 3329	-42.0	-31.0	-30.0
	3520 - 3550	-42.0	-21.0	-20.0
	3350 - 3380	-15.5	-12.0	-12.0
	4000	-43.0	-35.0	-35.0
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

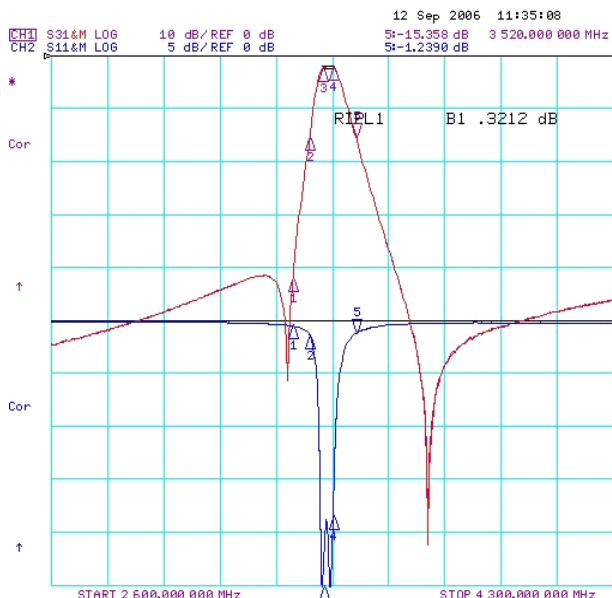
*This product is covered by one or more of the following U.S. and foreign patents including: US 4,692,726;US 4,742,562; US 4,800,348;US 4,829,274;US 5,146,193;EP 0573597;DE 0573597;FR 0573597;JP 508149/92;KR 142171;US 5,162,760;US 5,218,329;US 5,250,916;US 5,327,109;US 5,488,335;CA 2114029;FR 9306297;GB 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.

Mechanical Drawing

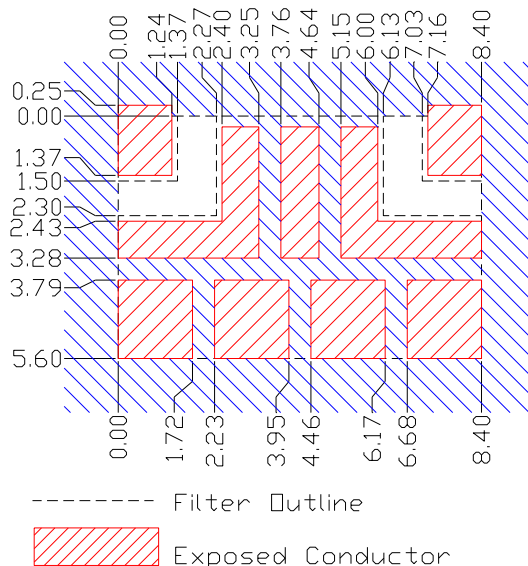


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	8.40	Max
B	5.60	Max
C	1.50	0.13
D	0.80	0.13
E	0.90	0.13
F	1.37	0.13
G	3.86	0.13
H	2.80	Max
I	1.37	0.013

Electrical response

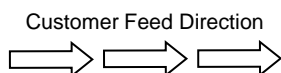


PCB Layout



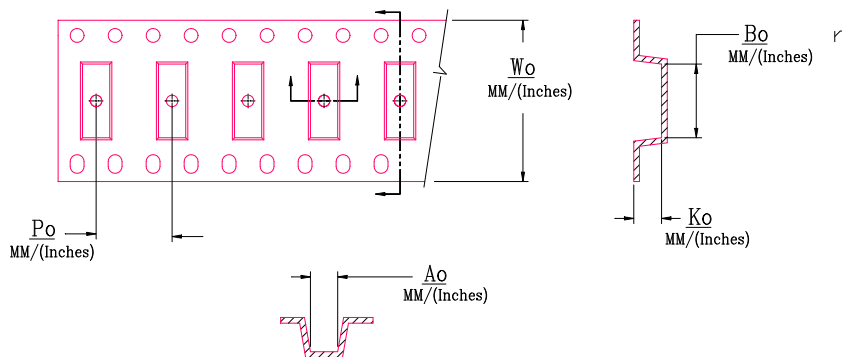
Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	0.9
REEL QUANTITY	ea.	1000



Product Marking

MCV
493
YWW



W_o	A_o	B_o	K_o	P_o
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
0.630"/16	0.215"/5.45	0.335"/8.50	0.118"/3.00	0.315"/8.00