

## 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

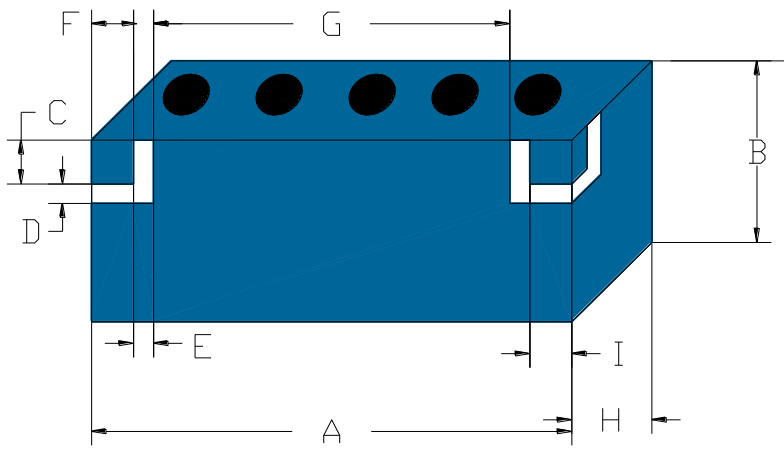
<u>Parameter</u>	<u>Frequency MHz</u>	<u>Typical @ 25°C</u>	<u>Specification @ 25°C</u>	<u>Spec over -40°C to +85°C</u>
Passband Iloss	3388 - 3400	-2.3	-2.6	-3.0
Passband Ripple	3388 - 3400	0.2	0.5	0.5
Passband Return Loss @ TX	3388 - 3400	-17.0	-14.0	-14.0
Passband Return Loss @ Ant	3388 - 3400	-17.0	-14.0	-14.0
Attenuation	0.1 - 2500	-50.0	-35.0	-35.0
	2904 - 2916	-44.0	-40.0	-40.0
	3146 - 3158	-39.0	-35.0	-35.0
	3267 - 3279	-52.0	-30.0	-30.0
	3312 - 3324	-23.0	-20.0	-20.0
	4000	-47.0	-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:

<u>Specification Allowance</u>	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

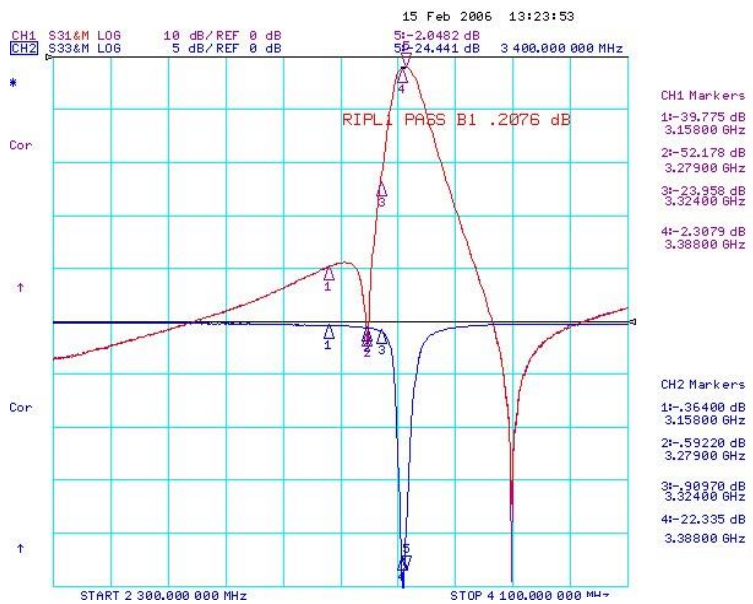
\*This product is covered by one or more of the following U.S. and foreign patents including: US 4,692,726;US 4,742,562; US 4,800,348;US 4,829,274;US 5,146,193;EP 0573597;DE 0573597;FR 0573597;JP 508149/92;KR 142171;US 5,162,760;US 5,218,329;US 5,250,916;US 5,327,109;US 5,488,335;CA 2114029;FR 9306297;GB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

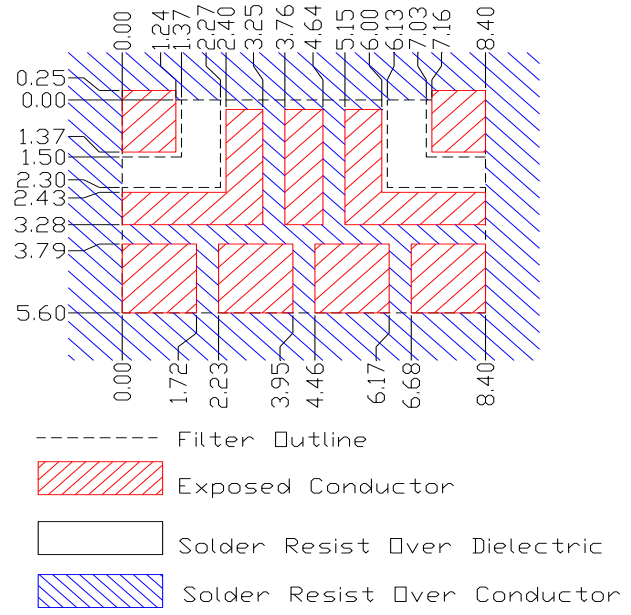


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	8.40	Max
B	5.60	Max
C	1.50	0.13
D	0.80	0.13
E	0.90	0.13
F	1.37	0.13
G	3.86	0.13
H	2.80	Max
I	1.37	0.013

### Electrical response

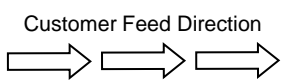


### PCB Layout



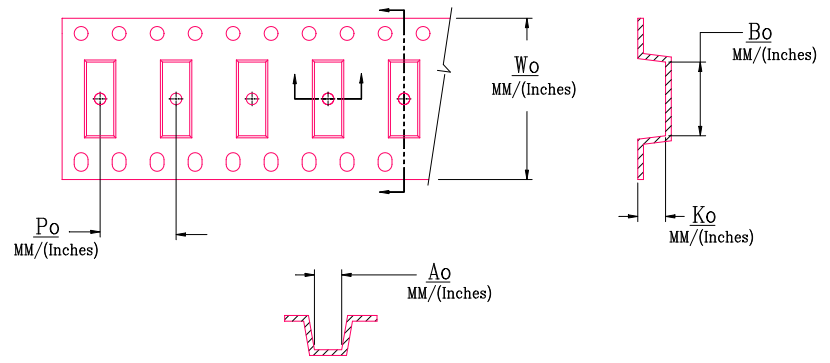
### Packaging and Marking

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



#### Product Marking

MCV  
309  
YWW



Wo	Ao	Bo	Ko	Po
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