

Features

- Small Size
- Low Ripple
- Low Loss

Description

Surface mount, Silver (Ag) coated barium ceramic filter. Developed for use in W-CDMA Infrastructure Applications.

Weight: 0.7 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 Iloss	1920 - 1980	-1.5	-1.8	-2.0
Passband Ripple	1920 - 1980	0.6	0.9	1.0
Passband Return Loss @ Port 1	1920 - 1980	-16.0	-14.0	-14.0
Passband Return Loss @ Port 2	1920 - 1980	-16.0	-14.0	-14.0
Attenuation	1710 - 1785	-37.0	-35.0	-35.0
Power into any port		2 Watt max		

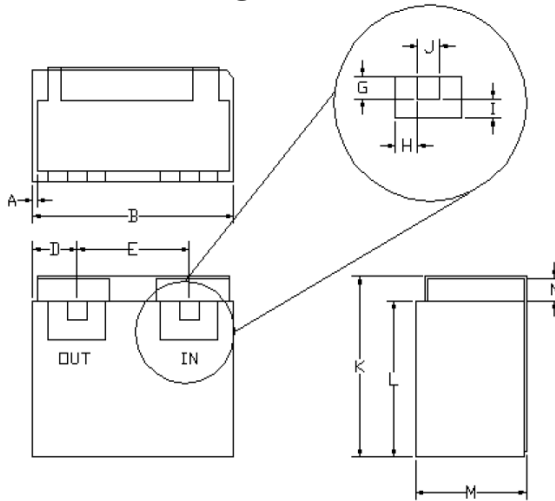
Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

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.

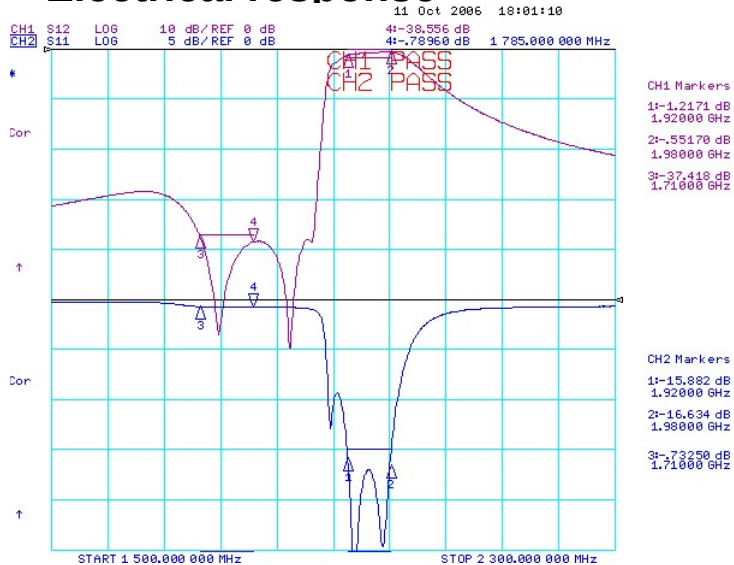
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Mechanical Drawing

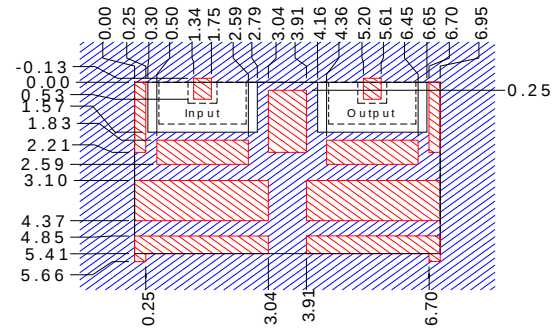


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A		
B	7.05	max
C		
D	1.55	0.25
E	3.86	0.13
F		
G	0.66	0.13
H	0.66	0.13
I	0.66	0.13
J	0.66	0.13
K	6.9	max
L	5.8	max
M	3.93	max
N	1.1	max

Electrical response



PCB Layout

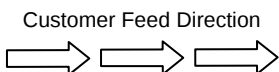


Dimensions are in mm. Tolerance = +/- 0.13

- Filter Outline
- Exposed Conductor
- Solder Resist Over Conductor
- Solder Resist Over Dielectric

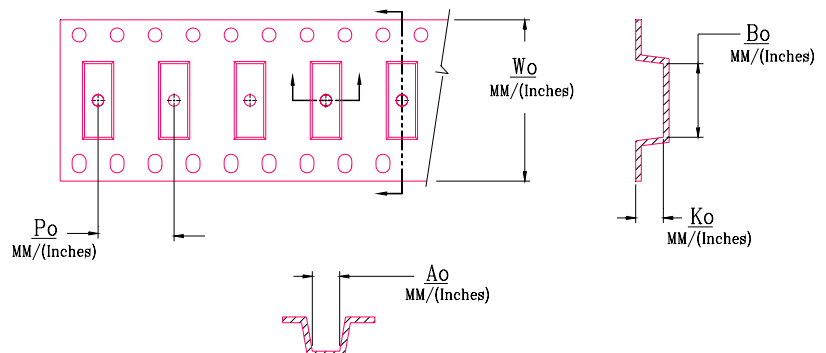
Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	300
REEL WEIGHT	kg	1.5
REEL QUANTITY	ea.	1000



Product Marking

CTS
468
YWW



Wo	Ao	Bo	Ko	Po
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
0.630"/16	0.280"/7.10	0.289"/7.35	0.167"/4.23	0.472"/12.00

Mouser Electronics

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