

Features

- Small Size
- Low Ripple
- High Rejection

Description

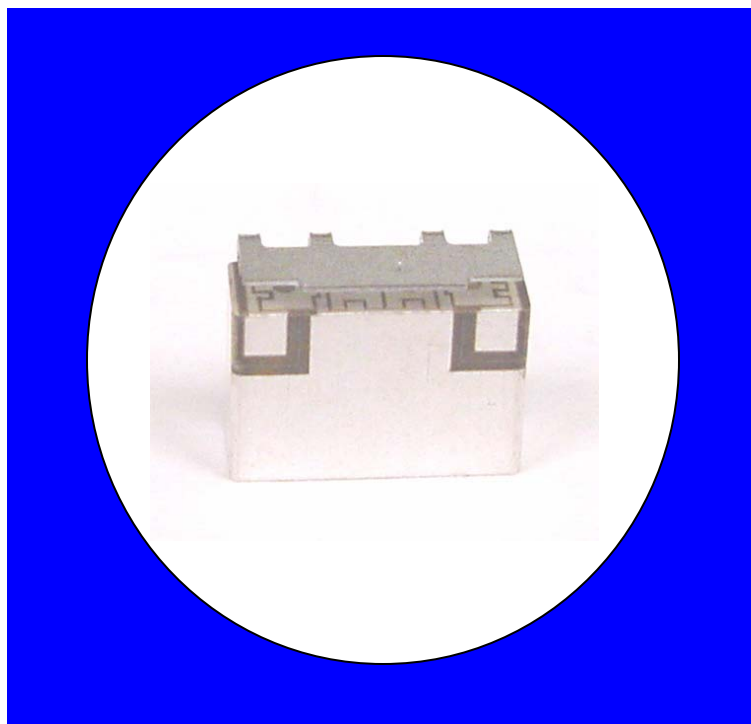
Surface mount, silver (Ag) coated barium ceramic filter. Developed for use in Broadband Wireless applications.

Weight: 1.0 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	3400 - 3600	-1.50	-1.8	-2.0
Passband Ripple	3400 - 3600	0.65	0.85	1.0
Passband Return Loss @ Port 1	3400 - 3600	-16.0	-12.0	-12.0
Passband Return Loss @ Port 2	3400 - 3600	-16.0	-12.0	-12.0
Attenuation	0.1 - 468	-87.0	-65.0	-65.0
	469 - 768	-77.0	-60.0	-60.0
	769 - 2664	-64.0	-50.0	-50.0
	2664 - 3132	-38.0	-34.0	-34.0
	3868 - 4068	-26.5	-22.0	-22.0
Power into any port		2 Watts		

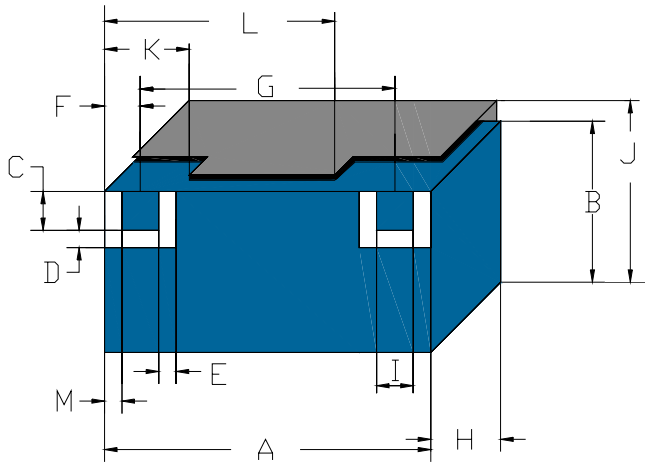
Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

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.

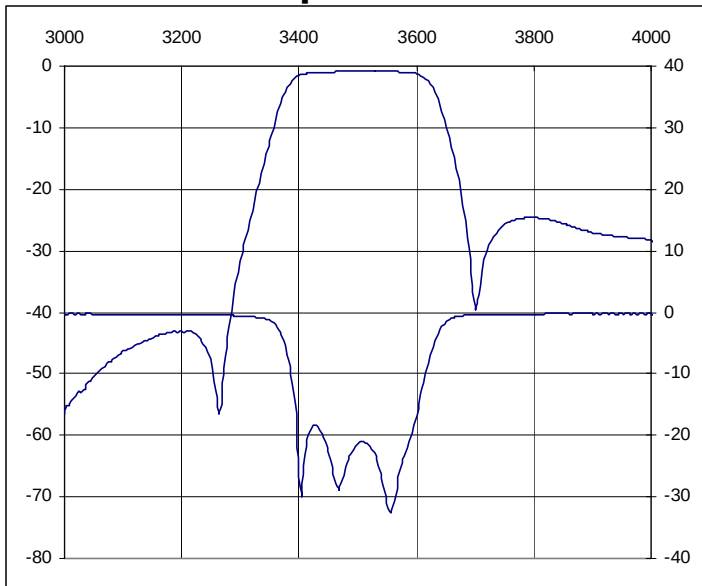
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Mechanical Drawing

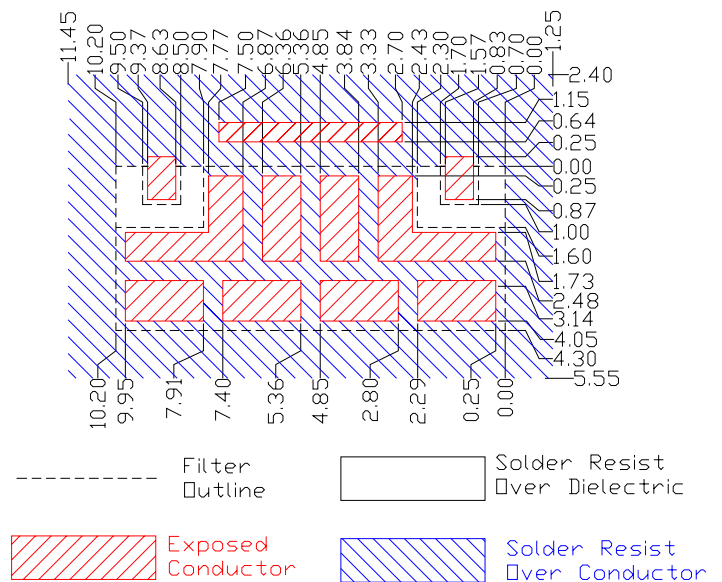


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	10.20	Max
B	4.50	Max
C	1.00	0.13
D	0.60	0.13
E	0.60	0.13
F	1.20	0.13
G	7.80	0.13
H	4.10	Max
I	1.00	0.13
J	5.60	Max
K	2.54	0.25
L	7.40	0.25
M	0.65	0.20

Electrical response

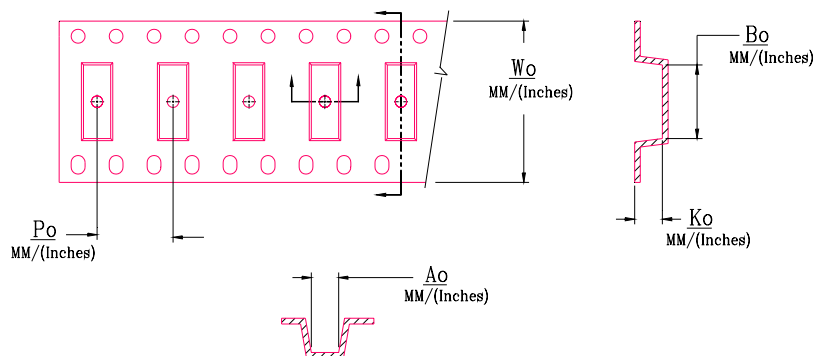
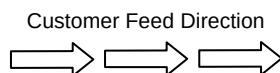


PCB Layout



Packaging and Marking

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



W0	A0	B0	K0	P0
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
0.945"/24	0.217"/5.50	0.406"/10.30	0.169"/4.30	0.472"/12.00

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