

Features

- Small Size
- Low Ripple
- High Rejection

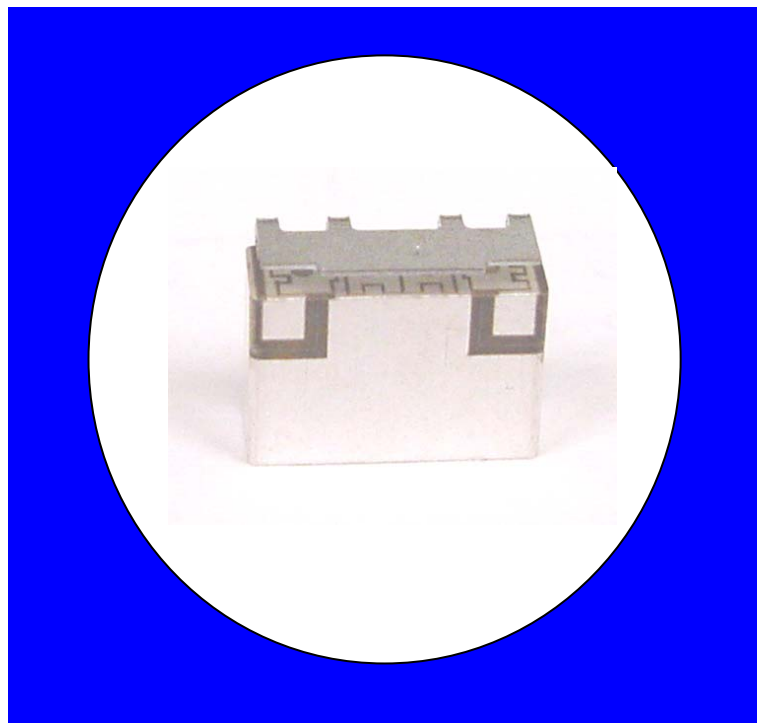
Description

Surface mount, silver (Ag) coated barium ceramic filter.

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 lloss	1170 - 1210	-2.00	-2.50	-3.00
Passband Ripple	1170 - 1210	0.35	0.65	1.00
Passband Return Loss @ Port 1	1170 - 1210	-12.00	-10.00	-10.00
Passband Return Loss @ Port 2	1170 - 1210	-12.00	-10.00	-10.00
Attenuation	1070	-45.00	-40.00	-40.00
	1130	-25.00	-20.00	-20.00
Group Delay Variation Passband	1250	-25.00	-20.00	-20.00
Group Delay Variation in 10 MHz BW	1310	-45.00	-40.00	-40.00
Power into any port		2 Watt max		

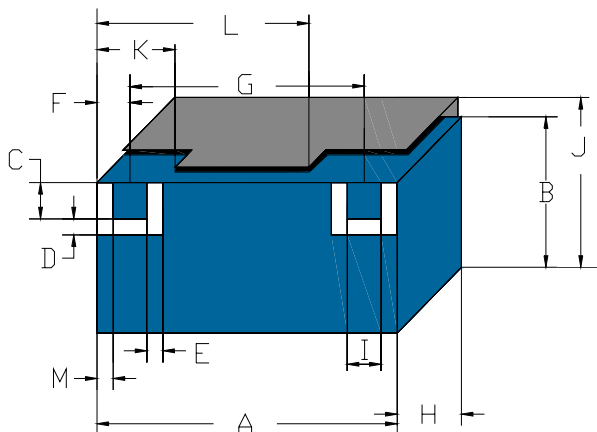
Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

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.

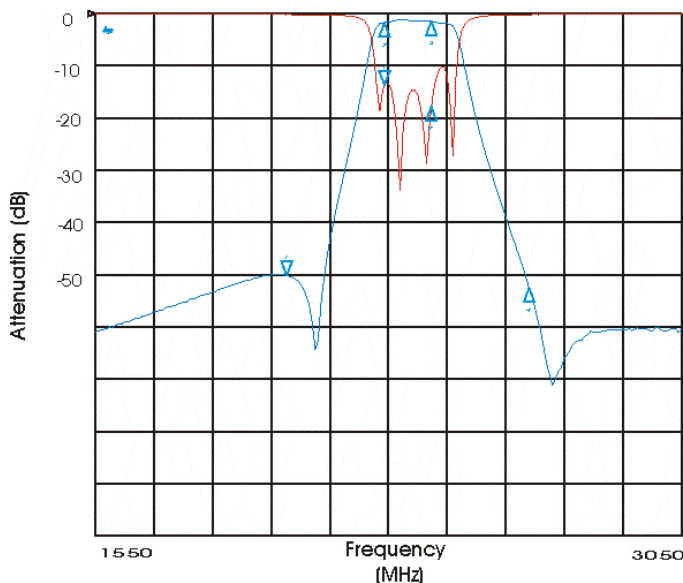
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Mechanical Drawing

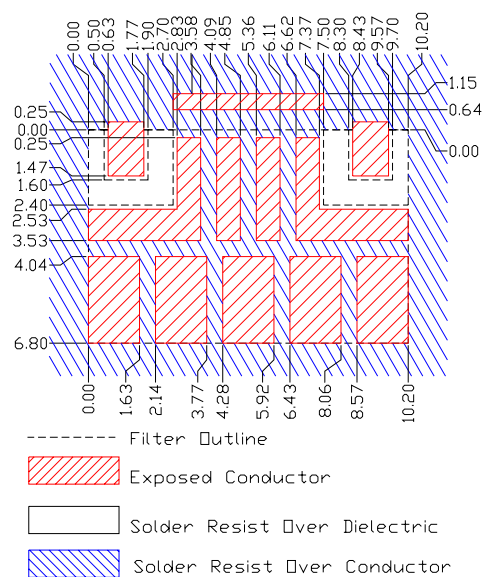


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	10.20	Max
B	9.00	Max
C	1.00	0.13
D	0.60	0.13
E	0.60	0.13
F	1.20	0.13
G	7.80	0.13
H	4.10	Max
I	1.00	0.13
J	10.10	Max
K	2.54	0.13
L	7.40	0.13
M	0.55	0.13

Electrical response

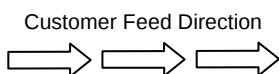


PCB Layout

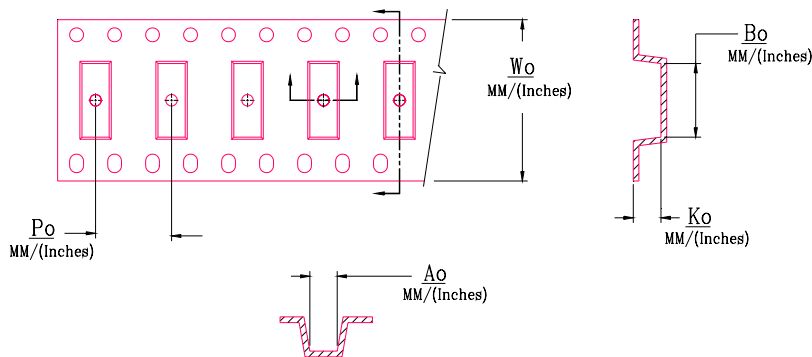


Packaging and Marking

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



CTS
865
YWW



W_o Inches/mm	A_o Inches/mm	B_o Inches/mm	K_o Inches/mm	P_o Inches/mm
0.945"/24	0.319"/8.10	0.406"/10.30	0.165"/4.20	0.472"/12.00