

Features

- Low Loss
- Low Ripple
- High Rejection

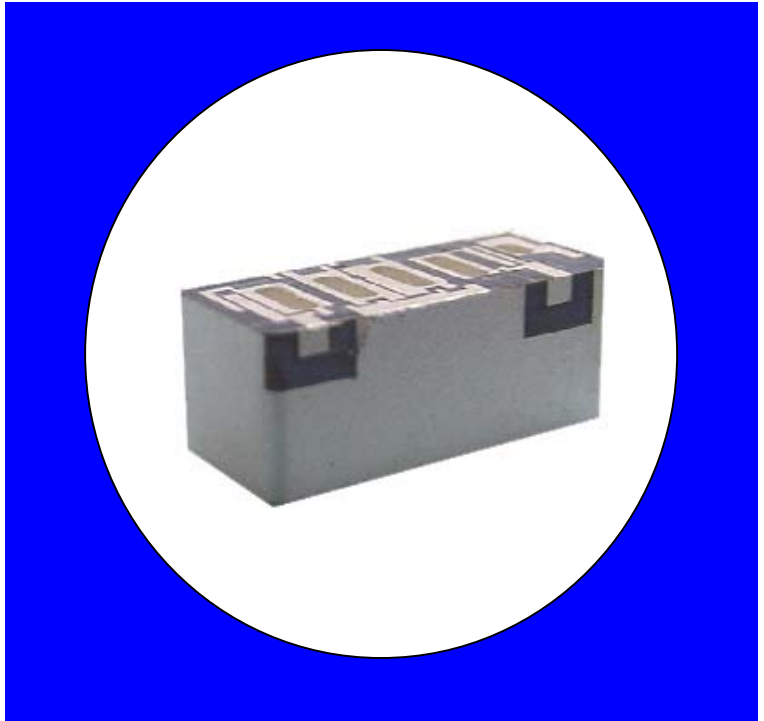
Description

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

Weight: 2.0 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	Spec. @ 25°C	Spec. Over 40°C to +85°C
Passband Insertion Loss	1930-1990	2.3 dB	2.6 dB max	2.9 dB max
Passband Ripple	1930-1990	1.3dB	1.7 dB max	1.9 dB max
Passband Return Loss @ RX	1930-1990	11.0 dB	8.5 dB min	8.0dB min
Passband Return Loss @ ANT	1930-1990	11.0 dB	8.5 dB min	8.0dB min
Attenuation:	1920	15.0 dB	13.5 dB min	13.5 dB min
	1850-1910	15.0 dB	13.5 dB min	13.5 dB min
Power			2 Watts	

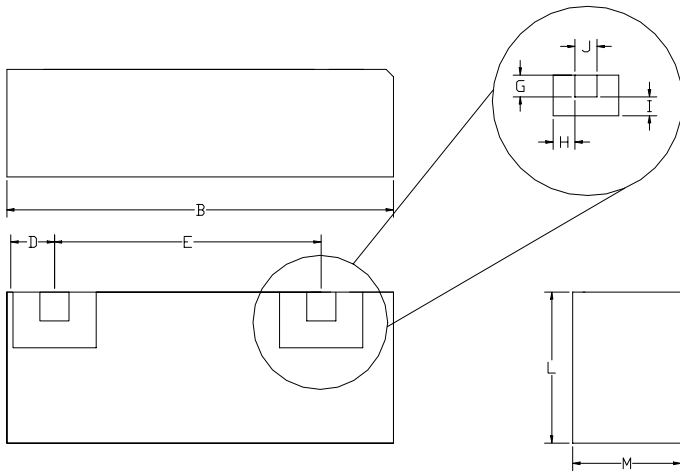
Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

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.

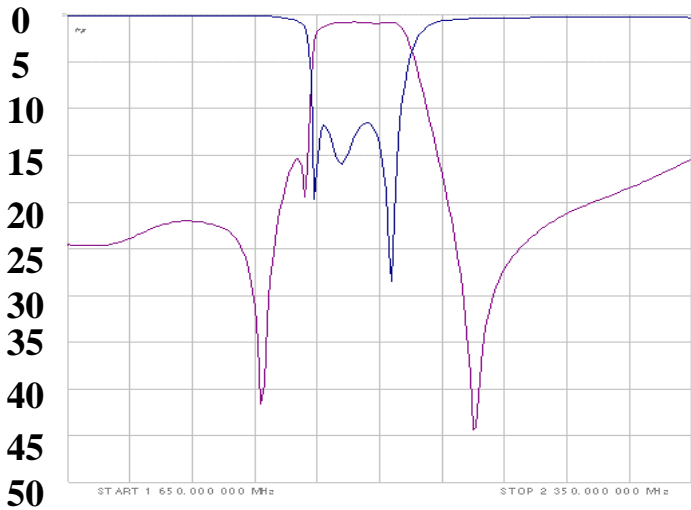
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Mechanical Drawing

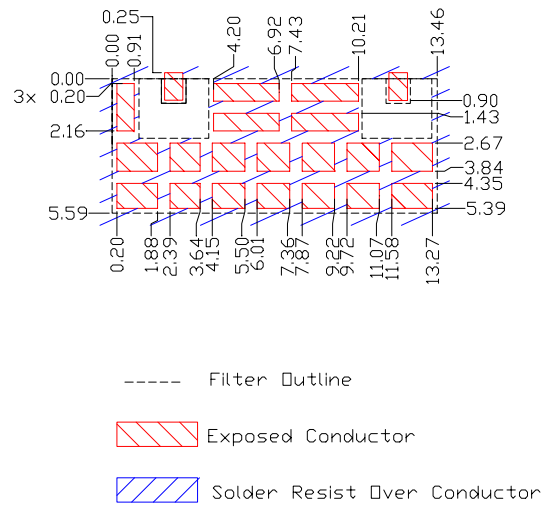


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A		
B	13.67	max
C		
D	1.66	0.13
E	9.25	0.13
F		
G	1.02	0.13
H	0.94	0.13
I	0.94	0.13
J	1.02	0.13
K		
L	5.64	max
M	6.12	max

Electrical response



PCB Layout



Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	24
REEL WEIGHT	kg	1.7
REEL QUANTITY	ea.	500

