

Features

- Small Size
- High Rejection

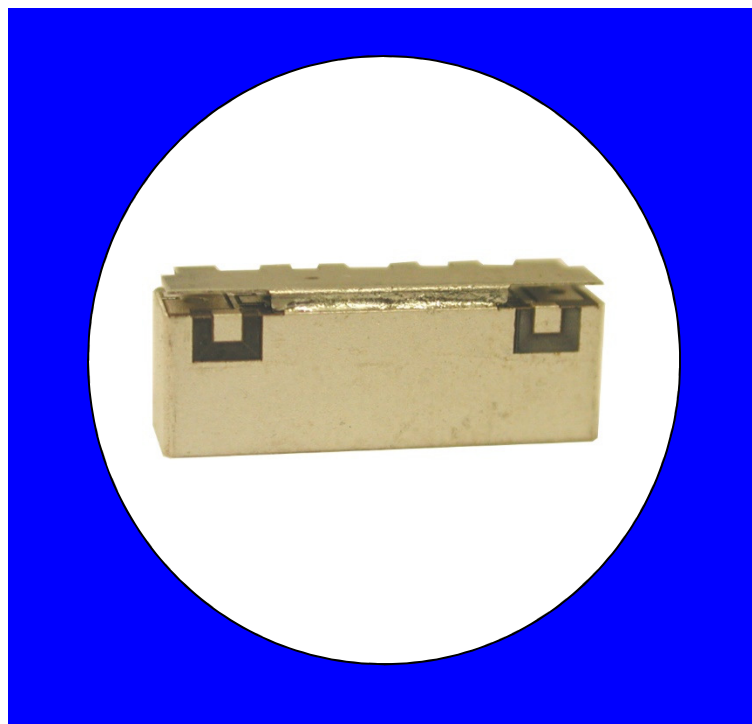
Description

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

Weight: 2 g 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 -40C to +85°C
Passband lloss, dB	1350 - 1518	1.20	1.40	1.50
Passband Ripple (in any 12 MHz)	1350 - 1518	0.05	0.10	0.10
Passband Return Loss	1350 - 1518	15.00	14.00	14.00
Attenuation, dB	0 - 900	42.00	30.00	30.00
	900 - 1288	13.00	10.00	10.00
	1580 - 1675	13.00	10.00	10.00
	1750 - 2110	42.00	40.00	40.00
Group Delay variation, ns (in any 12 MHz)	1350 - 1518	1.50	2.00	2.00
Power into any port (CW)		2 Watt max		
Power into any port (Peak)		20 Watt max		
Impedance, Ohm		50		

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:

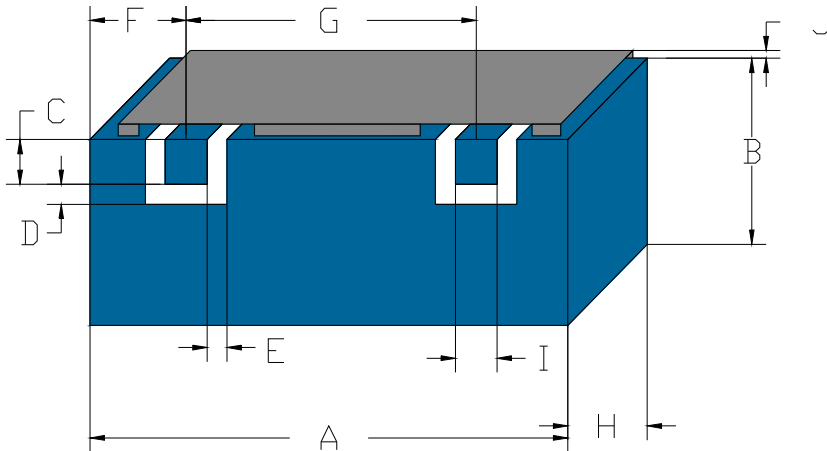
Specification Allowance

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.

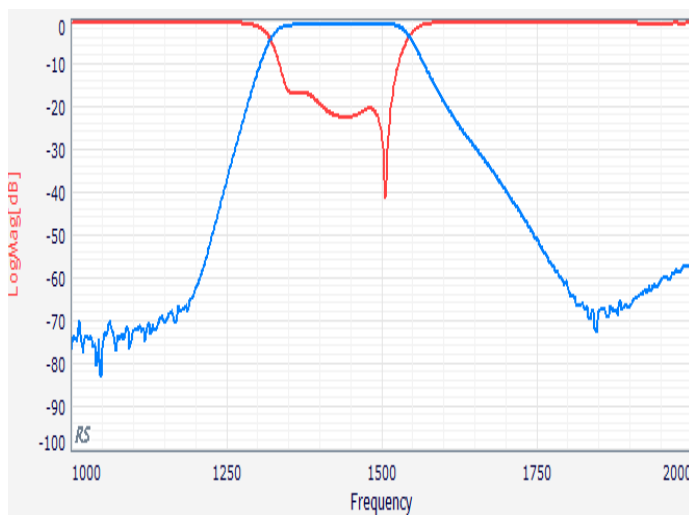
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Mechanical Drawing

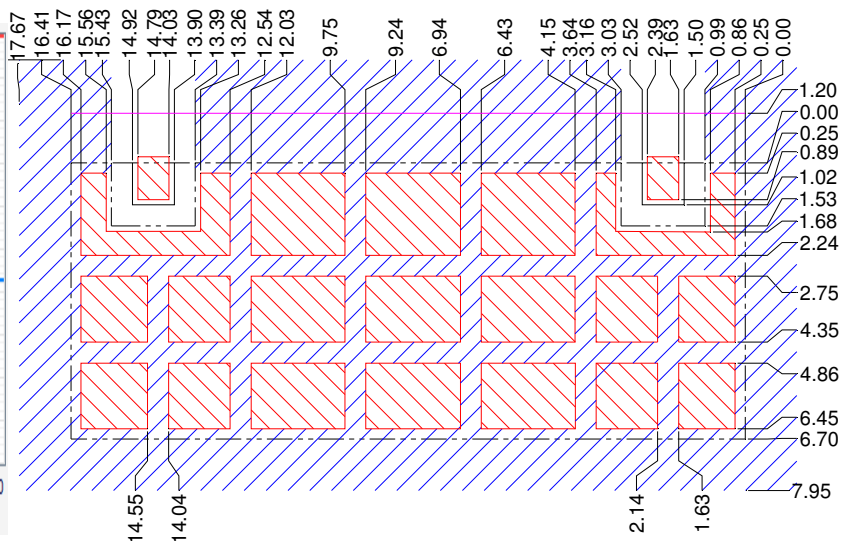


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	16.41	max
B	6.70	max
C	1.02	0.13
D	0.51	0.13
E	0.51	0.13
F	2.00	0.13
G	12.40	0.13
H	5.00	max
I	1.02	0.13
J	1.20	0.13

Electrical response

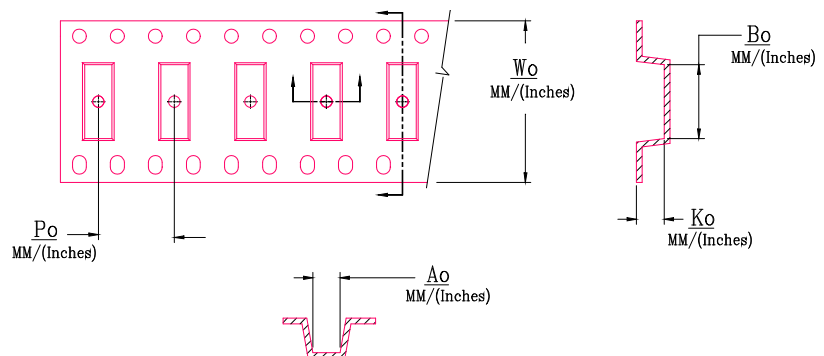
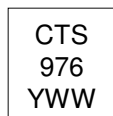
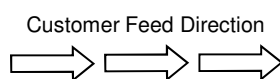


PCB Layout



Packaging and Marking

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



Wo Inches/mm	Ao Inches/mm	Bo Inches/mm	Ko Inches/mm	Po Inches/mm
0.945"/24	0.181"/4.60	0.654"/16.6	0.193"/4.90	0.472"/12.00

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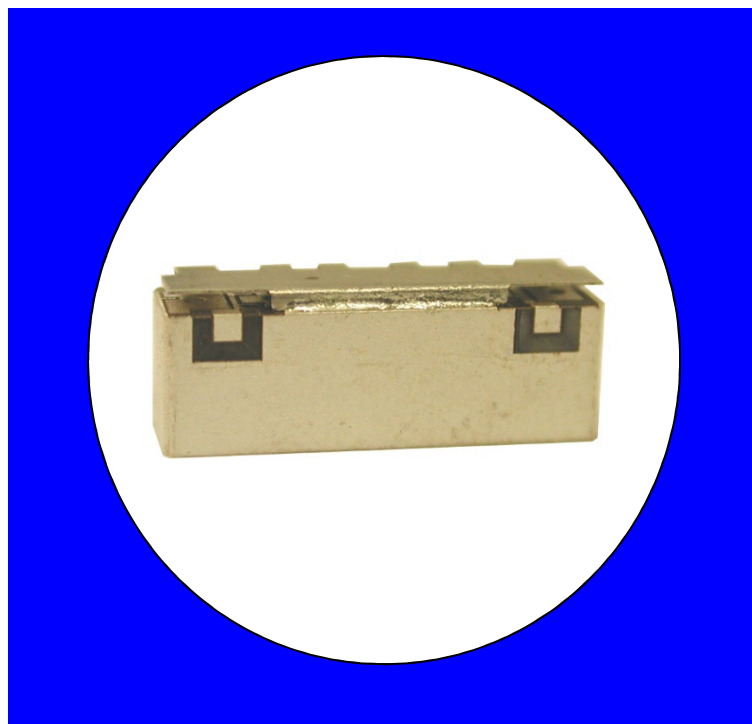
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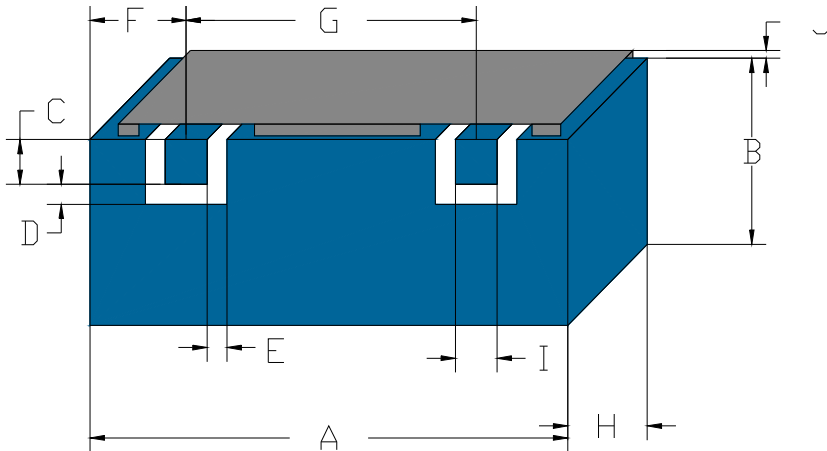
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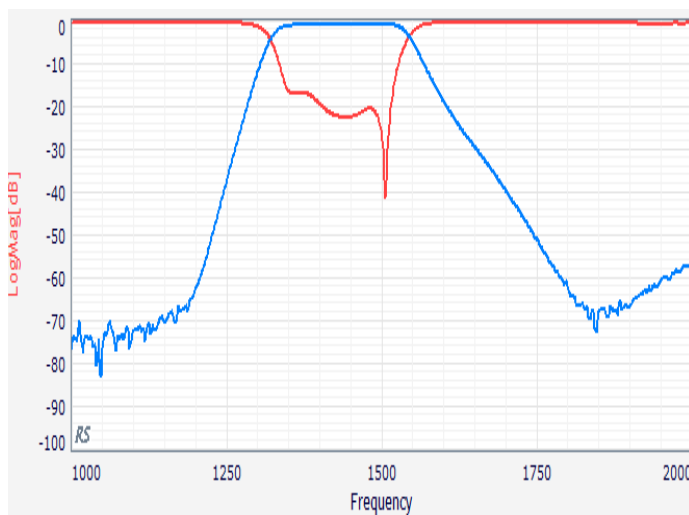
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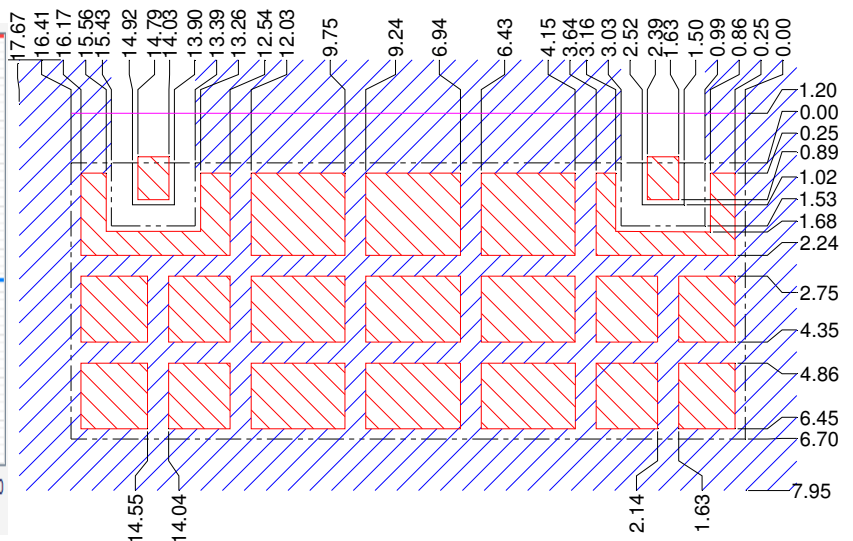


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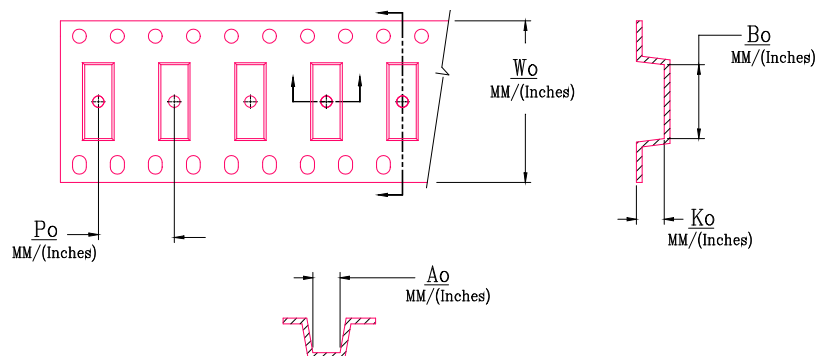
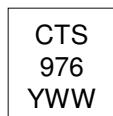
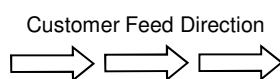


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