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CER0159B

1747 MHz BPF

Revision A – Origin Date: July 26, 2011 – Revision Date: July 26, 2011

Features

- Low Loss
- Low Ripple

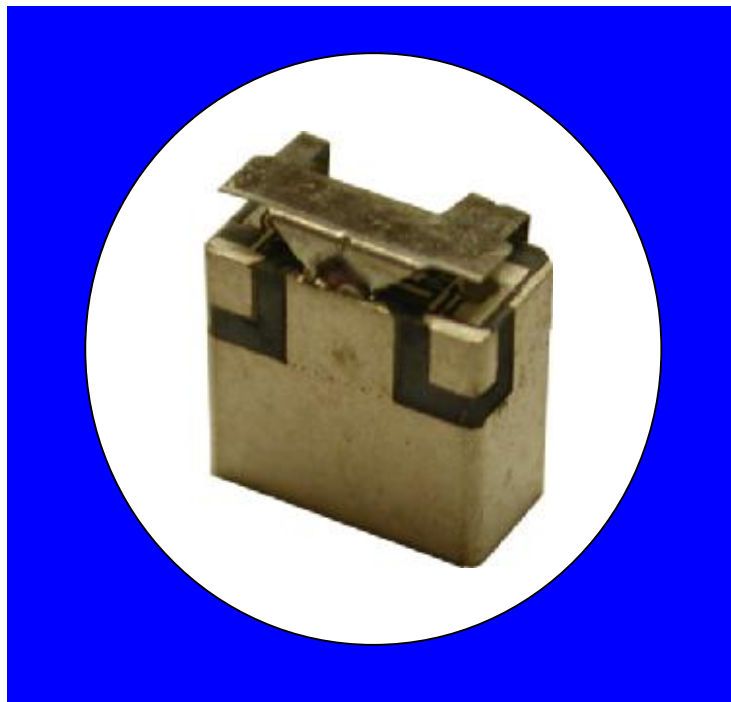
Description

Surface mount, silver (Ag) coated ceramic filter for use in broadband applications.

Weight: 1.26 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	1710 - 1785	-0.7	-1.0	-1.2
Passband Ripple	1710 - 1785	0.2	0.4	0.5
Passband Return Loss @Port 1	1710 - 1785	-14.0	-12.0	-12.0
Passband Return Loss @Port 2	1710 - 1785	-14.0	-12.0	-12.0
Attenuation	1308 - 1383	-40.0	-35.0	-35.0
	1539 - 1614	-20.0	-10.0	-10.0
Power into any port		1 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:

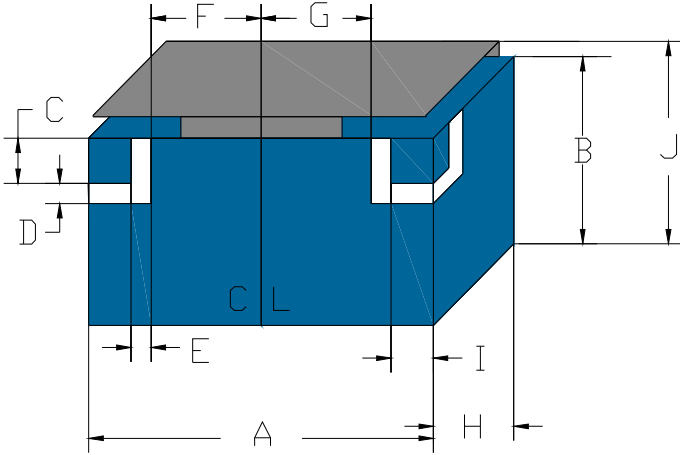
Specification Allowance

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.

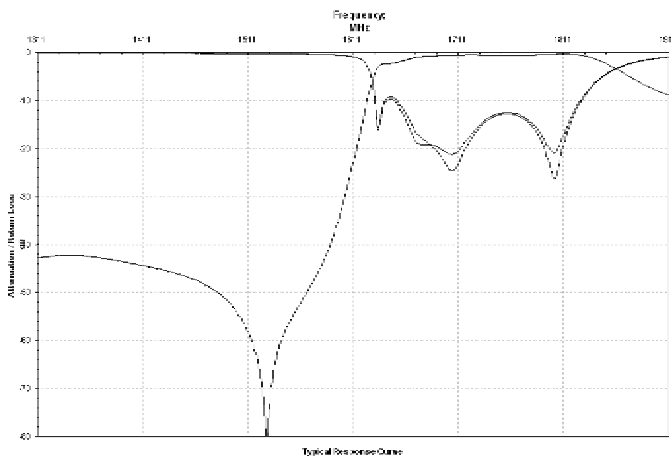
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Mechanical Drawing

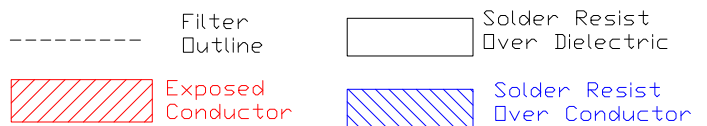
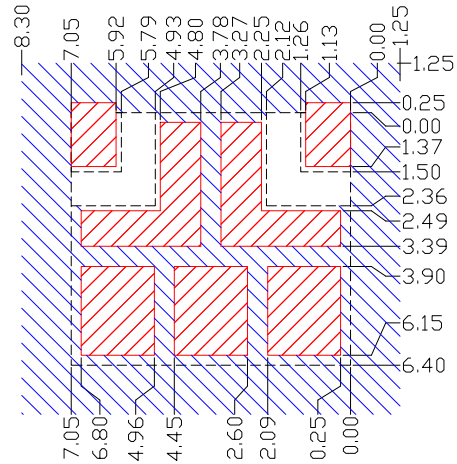


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	7.05	Max
B	6.4	Max
C	1.50	0.13
D	0.86	0.13
E	0.86	0.13
F	1.33	0.13
G	1.33	0.13
H	4.02	Max
I	1.26	0.13
J	7.7	Max

Electrical response

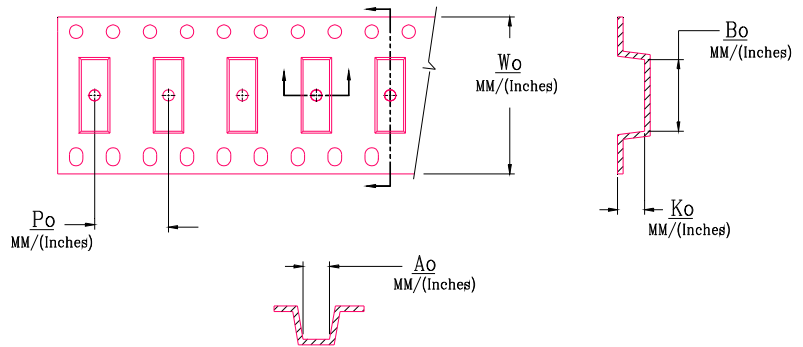
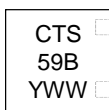
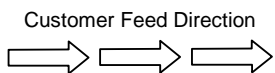


PCB Layout



Packaging and Marking

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



Wo	Ao	Bo	Ko	Po
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
0.945"/24	0.319"/8.10	0.406"/10.30	0.165"/4.20	0.472"/12.00