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CER0310B

3650 MHz BPF

Rev 0 – Origin Date: May 7, 2007 – Revision Date: May 7, 2007

Features

- Low Loss
- Low Ripple

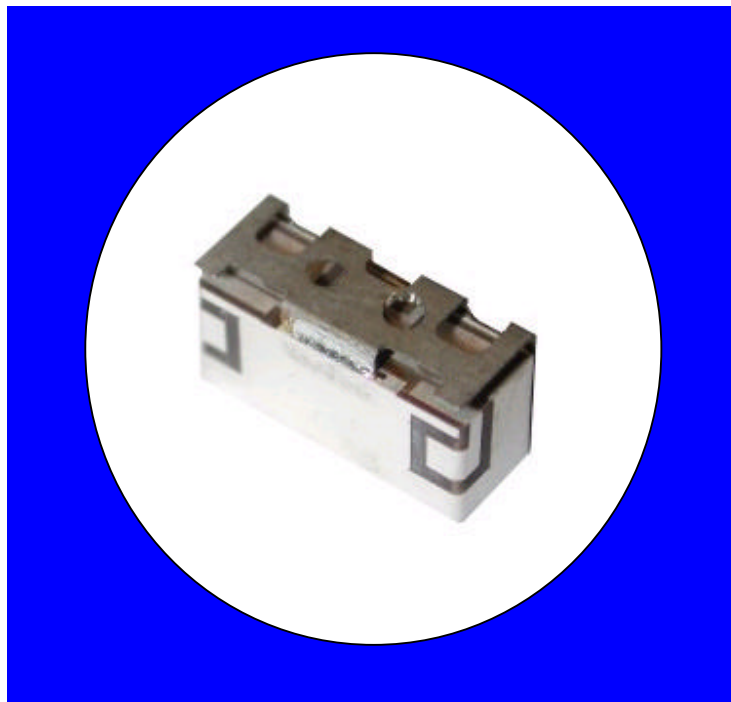
Description

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

Weight: 1.1 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 -30°C to +85°C
Response				
Passband Iloss	3600-3700	-1.20	-1.80	-2.00
Passband Ripple	3600-3700	0.20	0.40	0.50
Passband Return Loss @ TX	3600-3700	-12.00	-10.00	-10.00
Passband Return Loss @ Ant	3600-3700	-12.00	-10.00	-10.00
Attenuation	3000	-42.00	-40.00	-40.00
	3350	-40.00	-33.00	-33.00
	3950	-33.00	-30.00	-30.00
Power into any port		1 Watt max		

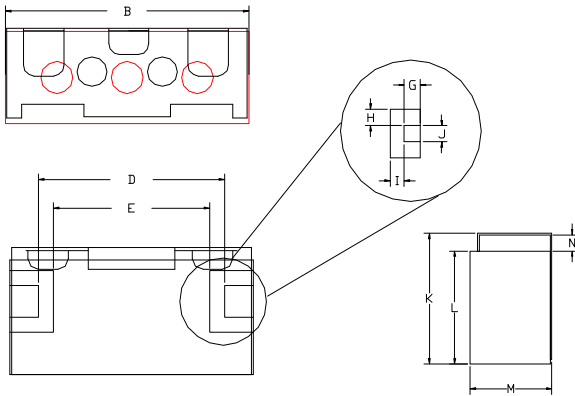
Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

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.

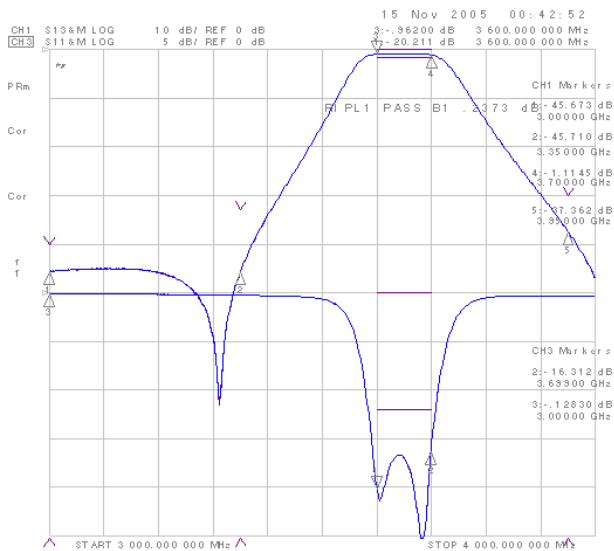
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Mechanical Drawing

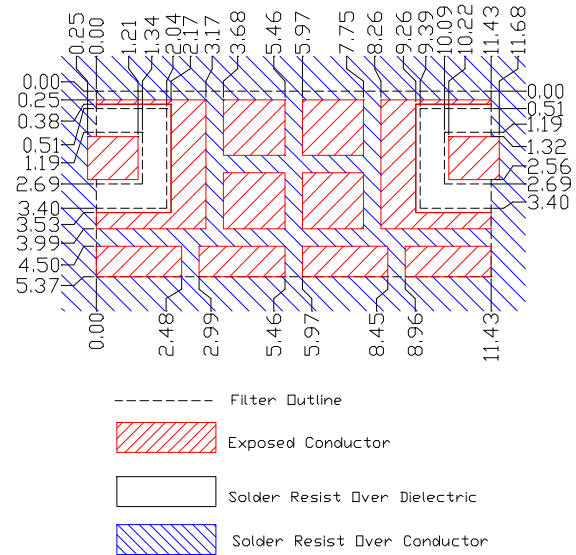


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A		
B	11.75	Max
C		
D	8.74	0.05
E	7.34	0.05
F		
G	1.35	0.13
H	0.71	0.13
I	0.71	0.13
J	1.5	0.13
K	6.9	Max
L	5.9	Max
N	1.03	0.13
M	4.6	Max

Electrical response

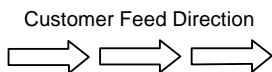


PCB Layout

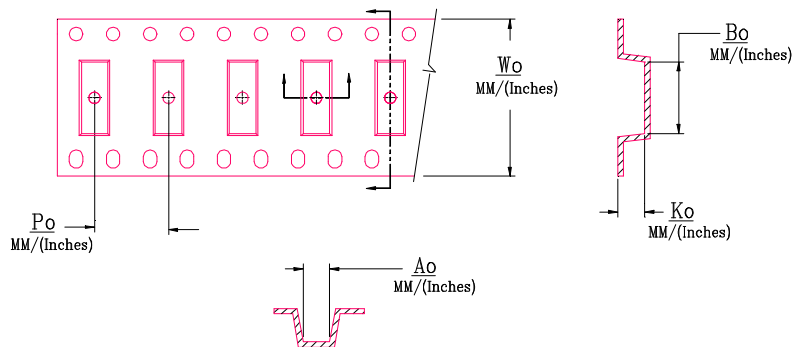
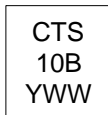


Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	1.7
REEL QUANTITY	ea.	1000



Product Marking



Wo	Ao	Bo	Ko	Po
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
1.732"/44	0.274"/6.95	1.031"/26.20	0.207"/5.25	0.472"/12.00