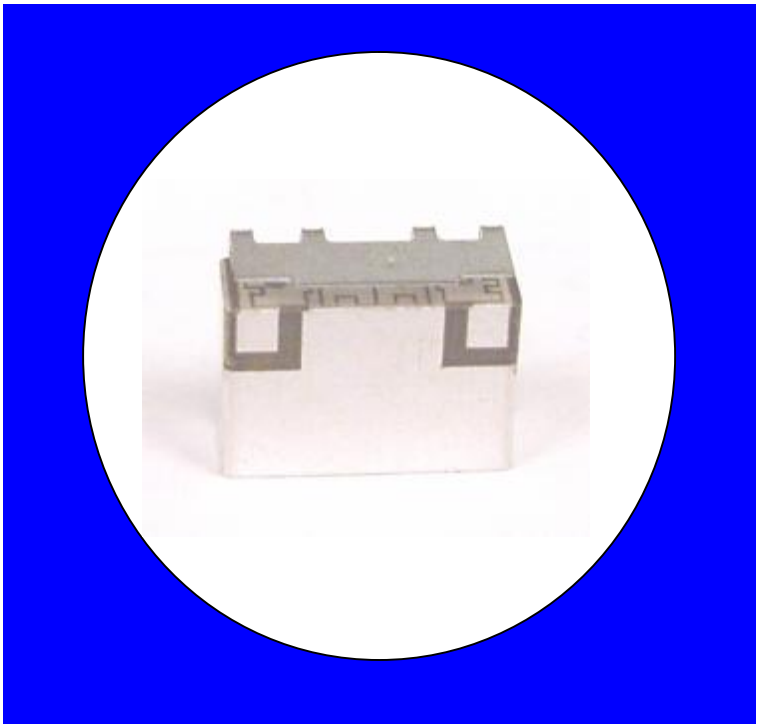
CER0625B

1900 MHz BPF

Revision B – Origin Date: April 23, 2008 – Revision Date: July 27, 2011

Features

- Low Loss
- Low Ripple



Description

Surface mount, silver (Ag) coated ceramic filter. Developed for use in infrastructure applications, CTS Monoblock Series Filters are designed to minimize ripple and maximize rejection.

Weight: 1.0 grams typical

Material: Filter is composed of a ceramic block coated with Ag.

Filter complies with RoHS standards.

Electrical Specifications

Parameter	Frequency MHz	Typical @ 25ºC	Specification @ 25ºC	Spec over -40ºC to +85ºC
Passband Iloss	1864 - 1936	-1.4	-2.85	-3.0
Passband Ripple	1864 - 1936	0.5	1.0	1.0
Passband Return Loss @ Port 1	1864 - 1936	-10.0	-8.0	-8.0
Passband Return Loss @ Port 2	1864 - 1936	-10.0	-8.0	-8.0
Group Delay Ripple	1864 - 1936			5 ns
Attenuation:	1 - 1760	-40.0	-25.0	-25.0
	2040 - 2840	-35.0	-25.0	-25.0
	2840 - 3900	-15.0	-12.0	-12.0
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

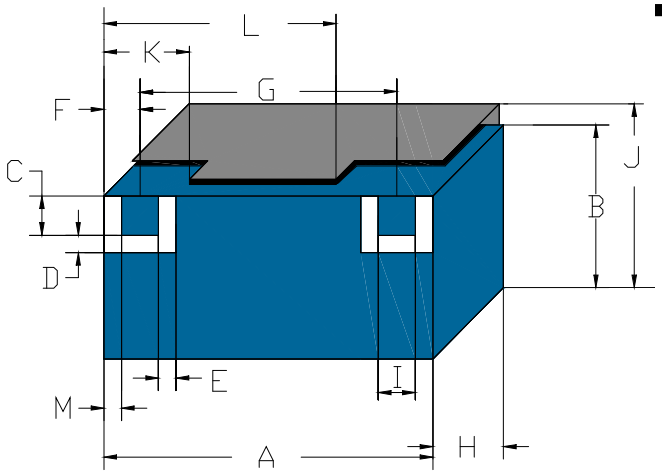
•"This product is covered by one or more of the following U.S. and foreign patents including: US 4,692,726;US 4,742,562; US 4,800,348;US 4,829,274;US 5,146,193;EP 0573597;DE 0573597;FR 0573597;JP 508149/92;KR 142171;US 5,162,760;US 5,218,329;US 5,250,916;US 5,327,109;US 5,488,335;CA 2114029;FR 9306297;GB 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.

•CTS Corporation 2006 reserves all copyrights in the layout, design and configuration of the patterns on this product."

CER0625B

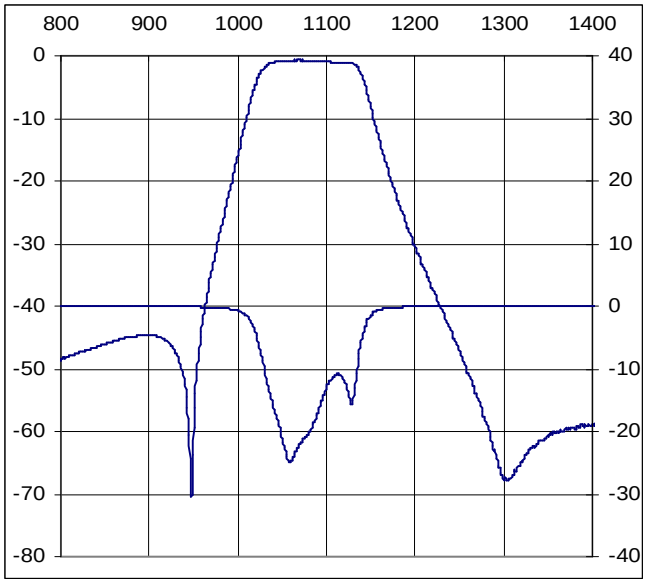
1900 MHz BPF

Revision B – Origin Date: April 23, 2008 – Revision Date: July 27, 2011

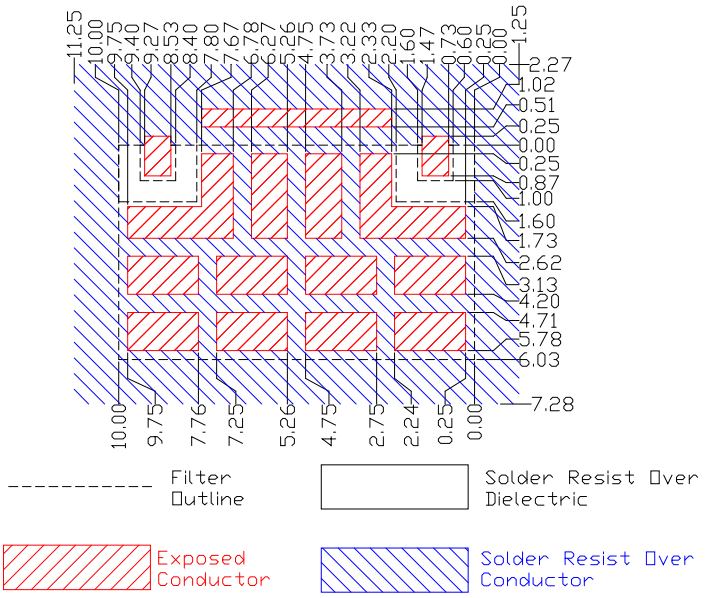


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	10.00	Max
B	5.59	Max
C	1.00	0.13
D	0.60	0.13
E	0.60	0.13
F	1.20	0.13
G	7.80	0.13
H	4.10	Max
I	1.00	0.13
J	6.40	Max
K	2.54	0.25
L	7.40	0.25
M	0.55	0.2

Electrical response



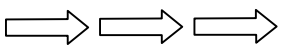
PCB Layout



Packaging and Marking

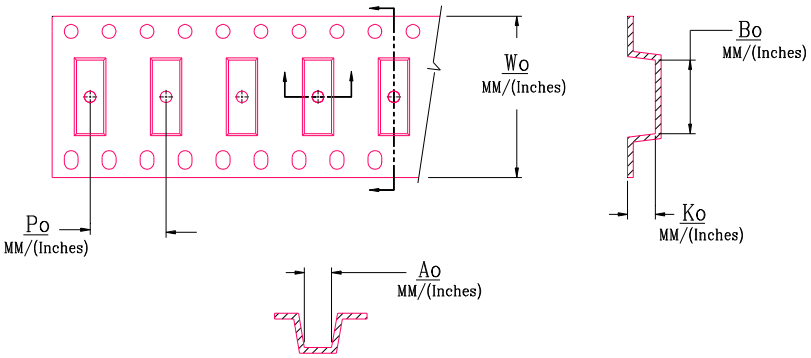
DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	1.6
REEL QUANTITY	ea.	1000

Customer Feed Direction



Product Marking

CTS
25B
YWW



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