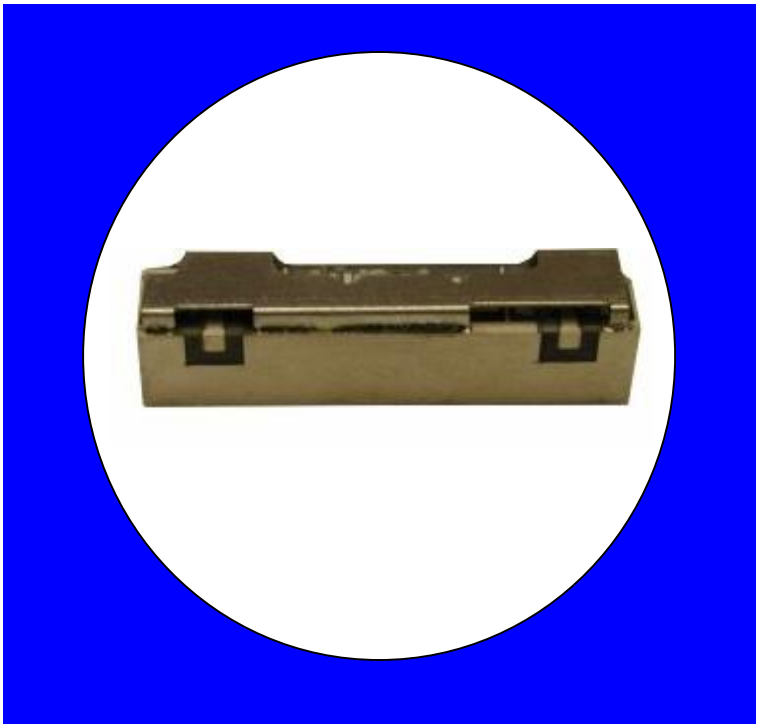
CER0543B

2594 MHz Monoblock LR Series BPF

Revision B – Origin Date: Nov. 21, 2007 – Revision Date: July 26, 2011

Features

- Low Ripple
- High Rejection
- Low Loss



Description

Surface mount, silver (Ag) coated ceramic filter. Developed for use in Infrastructure and applications.

Material: Filter is composed of a ceramic block coated with Ag and a shield made of nickel silver plated steel.

Filter complies with RoHS standards.

Electrical Specifications

Parameter	Frequency MHz	Typical @ 25ºC	Specification @ 25ºC	Spec over -40ºC to +85ºC
Response				
Passband Iloss	2496 - 2692	-2.20	-2.40	-3.15
Passband Ripple	2496 - 2692	1.41	2.10	2.10
Passband Return Loss @ Port 1	2496 - 2692	-13.0	-10.0	-10.0
Passband Return Loss @ Port 1	2496 - 2692	-13.0	-10.0	-10.0
Attenuation	0.1 - 2470	-27.0	-20.0	-20.0
	2705 - 4000	-17.0	-15.0	-15.0
Power into any port		3 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.

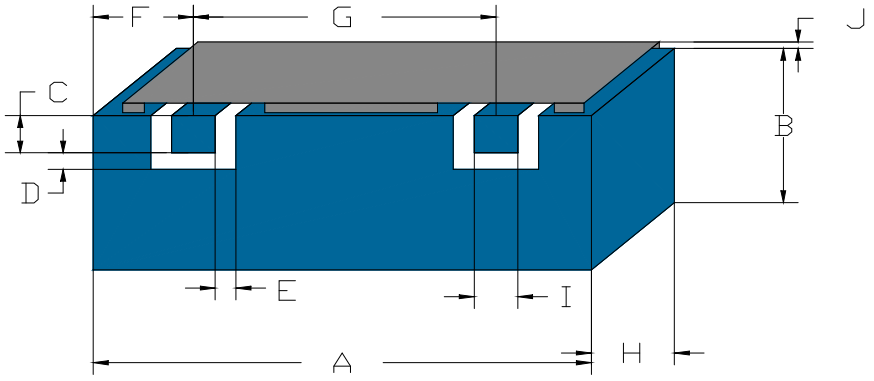
•CTS Corporation 2006 reserves all copyrights in the layout, design and configuration of the patterns on this product."

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2594 MHz Monoblock LR Series BPF

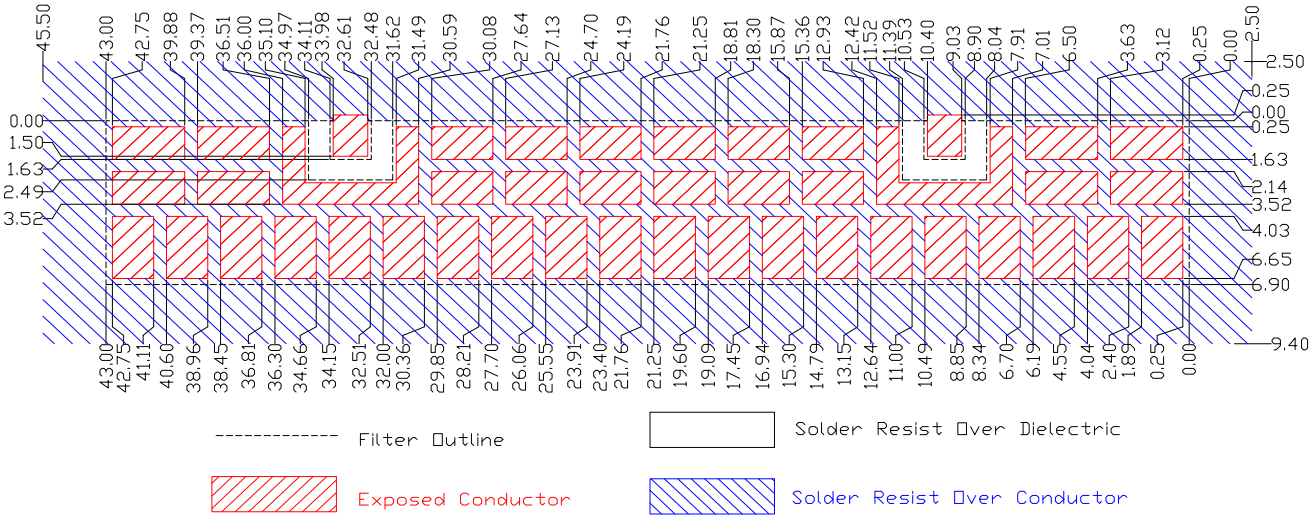
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Mechanical Drawing

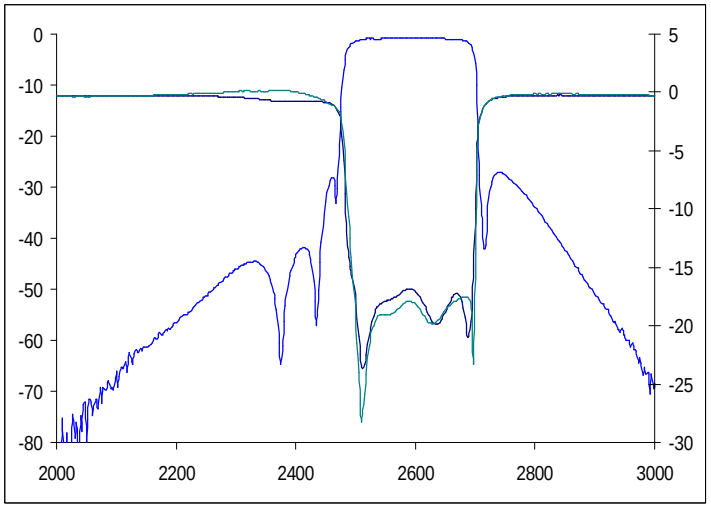


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	43.0	max
B	6.90	max
C	1.63	0.13
D	0.86	0.13
E	0.86	0.13
F	9.28	0.25
G	23.60	0.13
H	8.4	max
I	1.63	0.13
J	1.5	max

PCB Layout



Electrical response



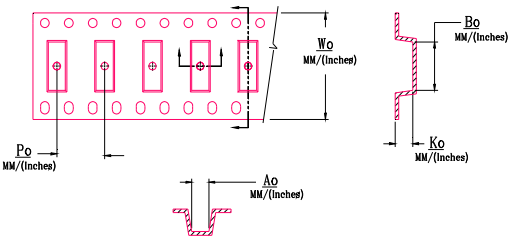
Packaging and Marking

Customer Feed Direction

DIMENISION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REELWEIGHT	kg	3.48
REEL QUANTITY	ea.	400

Product Marking

CTS
43B
YWW



Wo	Ao	Bo	Ko	Po
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
2.205"/56	0.343"/8.7	1.705"/43.3	0.343"/8.7	0.630"/16.00