

Features

- Low Ripple
- Low Loss
- Symmetrical Attenuation

Description

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

Weight: 2.0 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	Spec @ 25°C	Spec. Over -30°C to +85°C
Passband Insertion Loss	1850-1915	-2.1	-2.3	-2.5
Passband Ripple	1850-1915	0.8	0.9	1
Passband Return Loss @ TX	1850-1915	-14	-13	-13
Passband Return Loss @ ANT	1850-1915	-14	-13	-13
Attenuation:	1930-1995	-16	-15	-15
	2075-3000	-17	-15	-15
Power		2W 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:

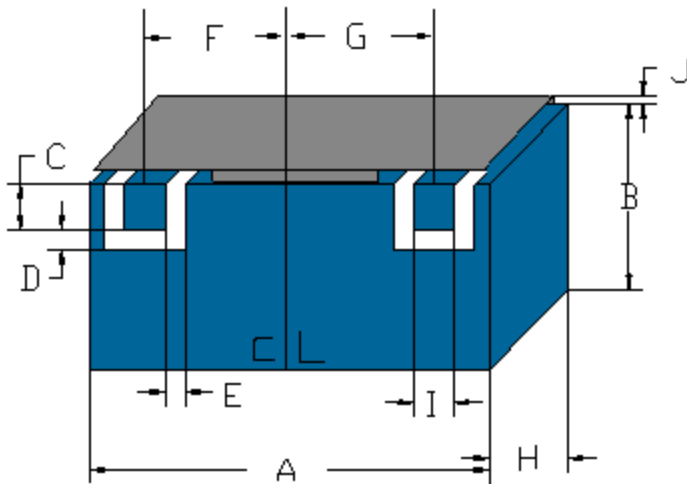
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*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.

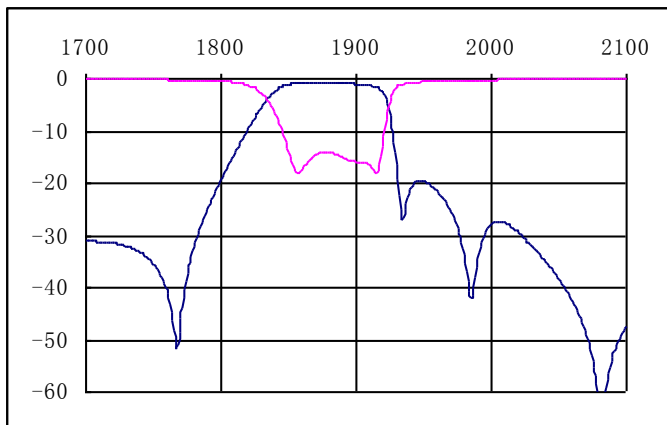
Mechanical Drawing

Preliminary C – Origin Date: May 16, 2012 – Revision Date: April 22, 2015

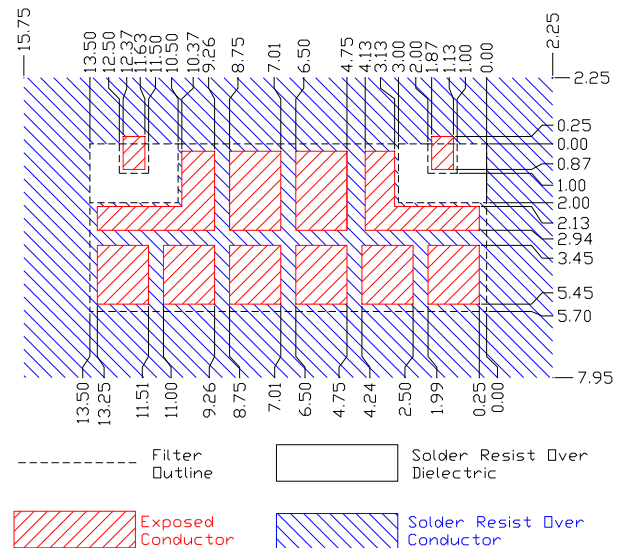


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	13.50	0.13
B	5.70	max
C	1.00	0.13
D	1.00	0.13
E	1.00	0.13
F	5.250	0.13
G	5.25	0.13
H	6.50	max
I	1.00	0.13
J	1.00	max

Electrical response



PCB Layout



Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	1.7
REEL QUANTITY	ea.	500

