

Features

- Low Ripple
- High Rejection
- Low Loss

Description

Surface mount, silver (Ag) coated ceramic filter..

Weight: TBD grams typical

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

Filter complies with RoHS standards.



Electrical Specifications

Parameter	Frequency (MHz)	Typical @ 25°C	Spec. @ 25°C	Spec. Over -40°C to +85°C
Electrical Response				
Passband Insertion Loss	777 - 787	-2.6	-2.8	-3
Passband Return Loss	777 - 787	-12.5	-12	-10
Passband Ripple	777 - 787	0.6	0.8	1
Attenuation:	746 - 756	-32	-30	-30
	807	-22	-20	-20
Power into any port		5 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:

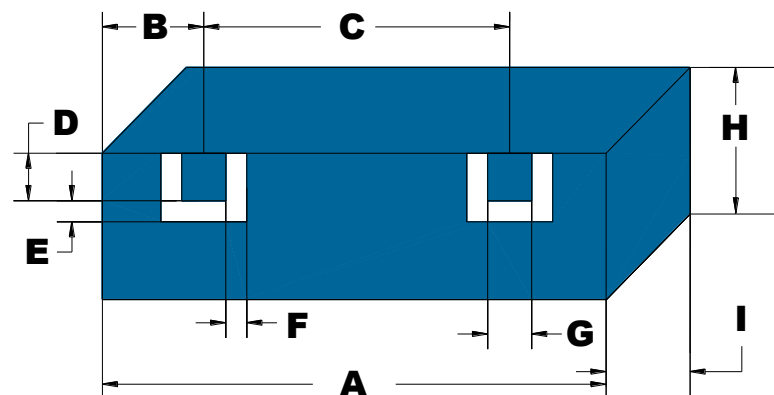
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*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.

Mechanical Drawing

Preliminary A—Origin Date: September 28, 2016 – Revision Date: September 28, 2016

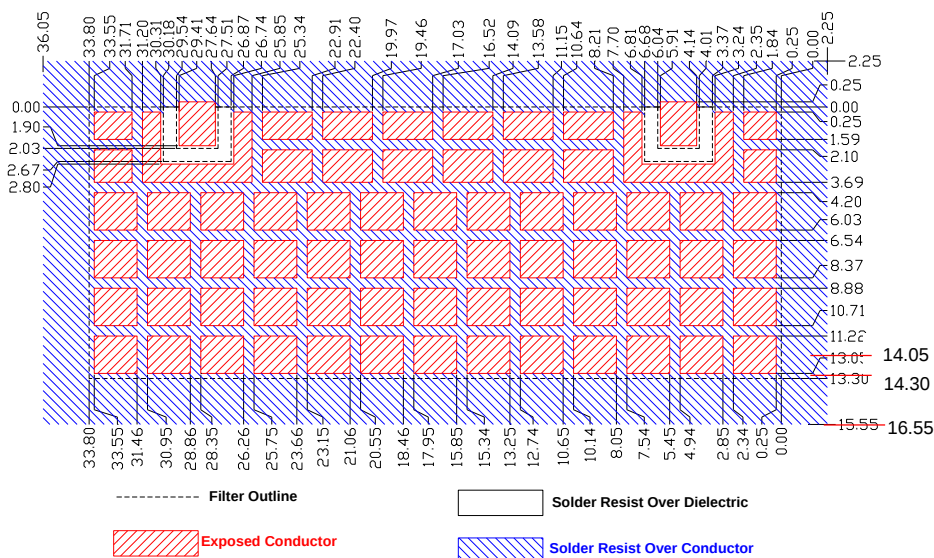


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	33.8	Max
B	5.02	0.25
C	23.5	0.13
D	2.03	0.13
E	0.64	0.13
F	0.64	0.13
G	2.03	0.13
H	14.3	Max
I	6.5	Max

Electrical response

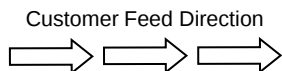
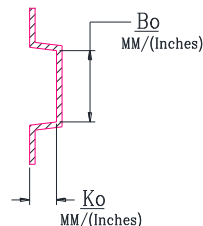
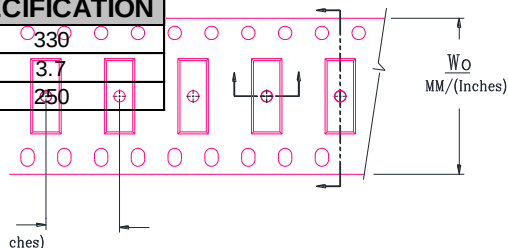
PCB Layout

TBD



Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	3.7
REEL QUANTITY	ea.	250



	W ₀	A ₀	B ₀	K ₀	P ₀
CER0230A	56.0/(2.205)	13.97/(0.550)	34.29/(1.350)	6.73/(0.265)	20.0/(0.787)