

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 @ 25°C	Specification @ 25°C	Spec over -40°C to +85°C
Response				
Passband loss over 5 MHz	2575 - 2635	-0.80	-1.00	-1.20
Passband Return Loss @ Port 1	2575 - 2635	-15.5	-14.0	-14.0
Attenuation	0.1 - 2170	-55.0	-50.0	-50.0
	2300 - 2400	-61.0	-58.0	-58.0
	2400 - 2483.5	-61.0	-58.0	-58.0
	2483.5 - 2500	-52.0	-50.0	-50.0
	2700 - 2900	-48.0	-46.0	-46.0
	3400 - 3500	-48.0	-45.0	-45.0
Average Power		5Watt		
Peak Power		50 Watt		

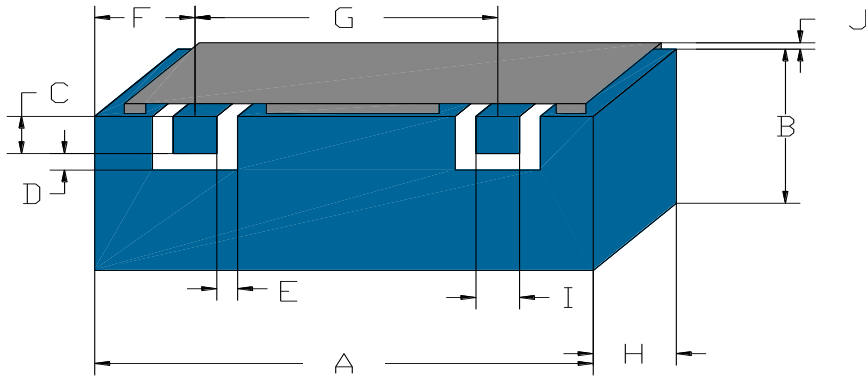
Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

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.

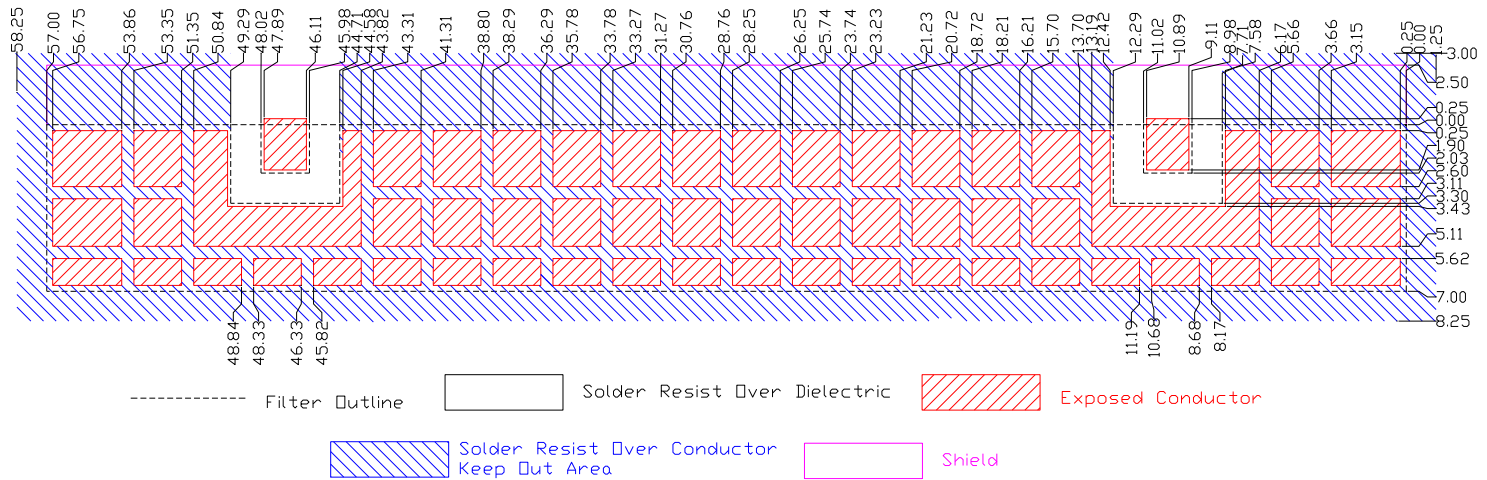
CTS Corporation 2006 reserves all copyrights in the layout, design and configuration of the patterns on this product.

Mechanical Drawing

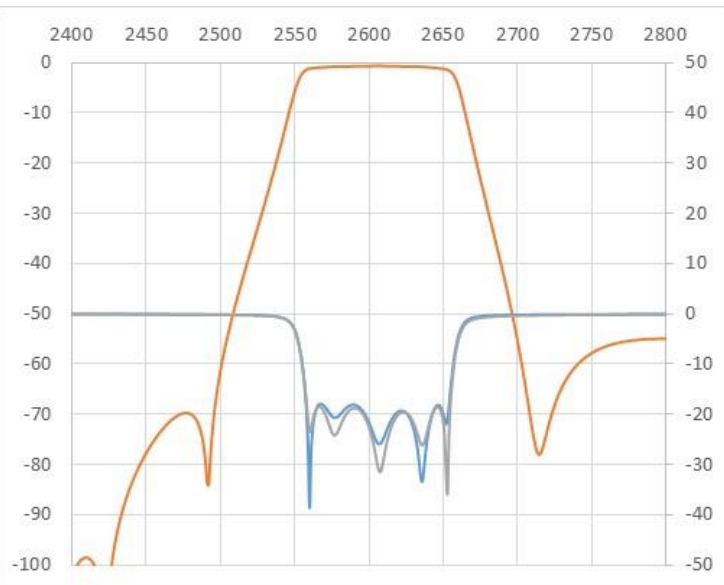


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	57.0	max
B	6.20	max
C	2.03	0.13
D	1.27	0.13
E	1.27	0.13
F	10.0	0.25
G	37.0	0.13
H	15.0	max
I	2.03	0.13
J	2.50	max

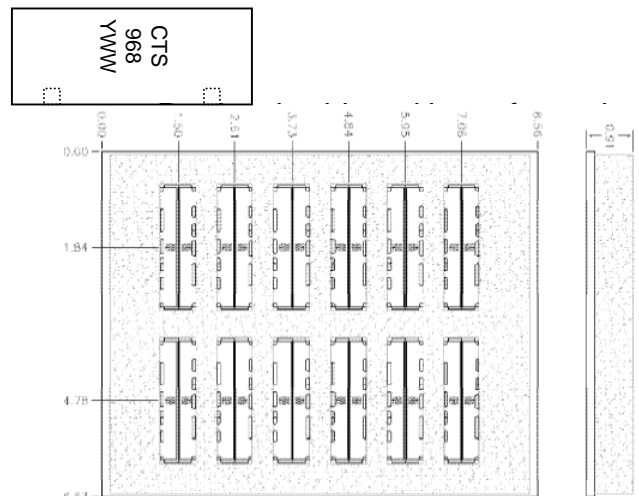
PCB Layout



Electrical response



Packaging and Marking



The trays have 12 slots each with 1 filters per slot. Boxes are packed with 5 Trays per box for a total of 60 filters per box.