

Features

- Low Loss
- Excellent Rejection
- Small Size

Description

Surface mount, silver (Ag) coated ceramic filter.

Weight: 1.7 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	Specification @ 25°C	Spec over -40°C to +85°C
TX to Antenna Response				
Passband Iloss	1785 - 1805	-1.6	-2.0	-2.3
Passband Return Loss @ Port 1	1785 - 1805	-13.0	-10.0	-10.0
Passband Return Loss @ Port 2	1785 - 1805	-13.0	-10.0	-10.0
Attenuation	1505	-38.0	-35.0	-35.0
	1545	-38.0	-35.0	-35.0
	1650	-43.0	-40.0	-40.0
	1680	-43.0	-40.0	-40.0
Power into any port		2 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:

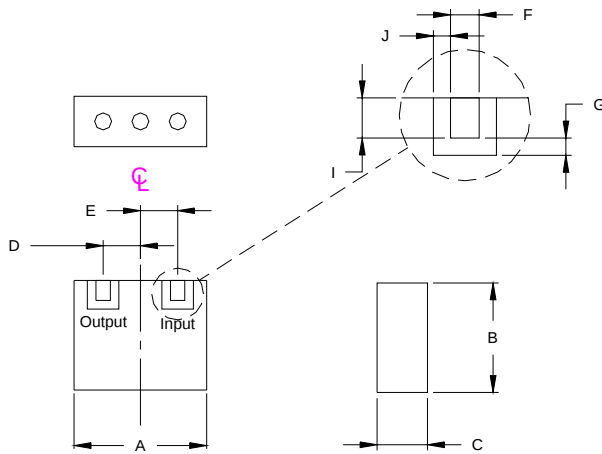
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*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

Rev 0 – Origin Date: November 21, 2006 – Revision Date: November 21, 2006

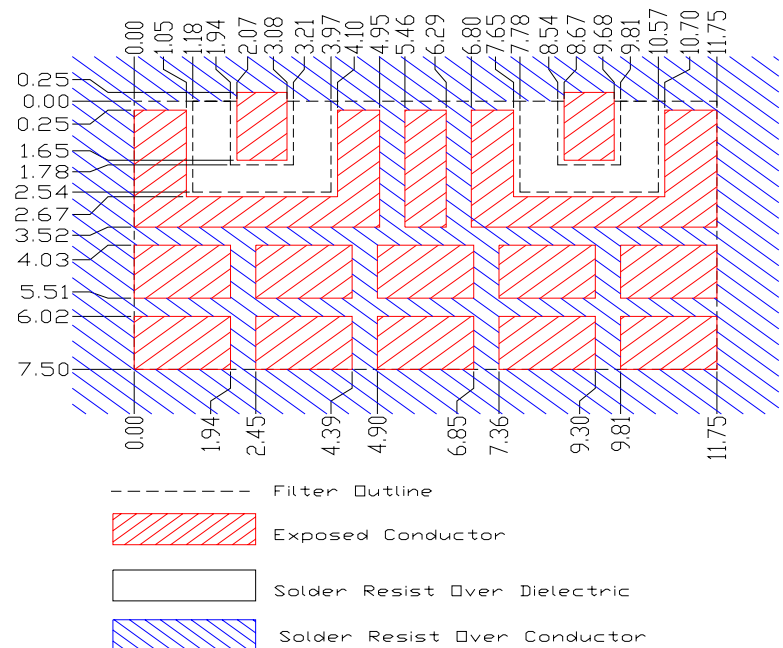


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	11.75	Max
B	7.50	Max
C	4.50	Max
D	3.30	0.127
E	3.30	0.127
F	1.27	0.127
G	0.76	0.127
I	1.78	0.127
J	0.76	0.127

Electrical response



PCB Layout



Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	2.2
REEL QUANTITY	ea.	800

Customer Feed Direction
→ → →

CTS
05B
YWW

