

Features

- Low Ripple
- High Rejection
- Low Loss

Description

Surface mount, silver (Ag) coated ceramic filter.

Weight: 9.5 grams typical

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 -25°C to +70°C
Response				
Passband loss	1785 - 1805	-1.7	-2.0	-2.2
Ripple	1785 - 1805	0.40	0.7	0.8
Passband Return Loss @ Port 1	1785 - 1805	-15.0	-14.0	-14.0
Passband Return Loss @ Port 2	1785 - 1805	-15.0	-14.0	-14.0
Attenuation	1725	-33.0	-25.0	-25.0
	1765	-17.0	-15.0	-15.0
	1825	-17.0	-15.0	-15.0
	1845	-33.0	-25.0	-25.0
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:

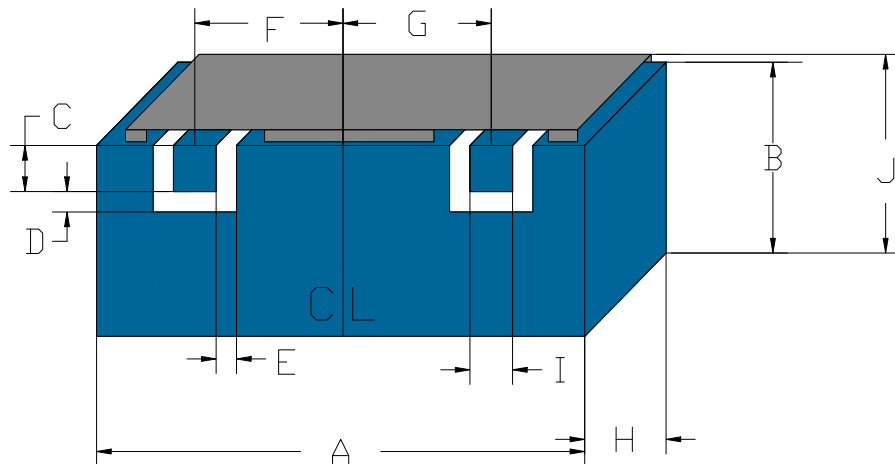
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*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.

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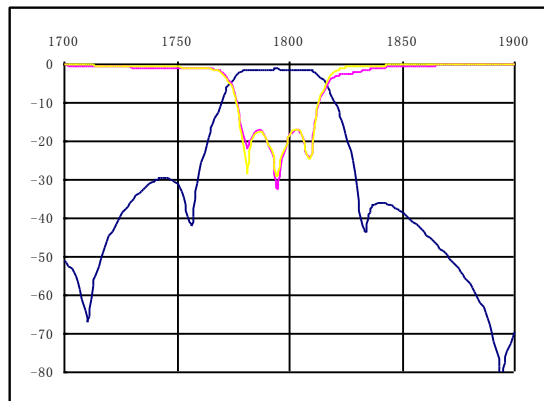
Mechanical Drawing

Preliminary A – Origin Date: July 15, 2014 – Revision Date: July 15, 2014

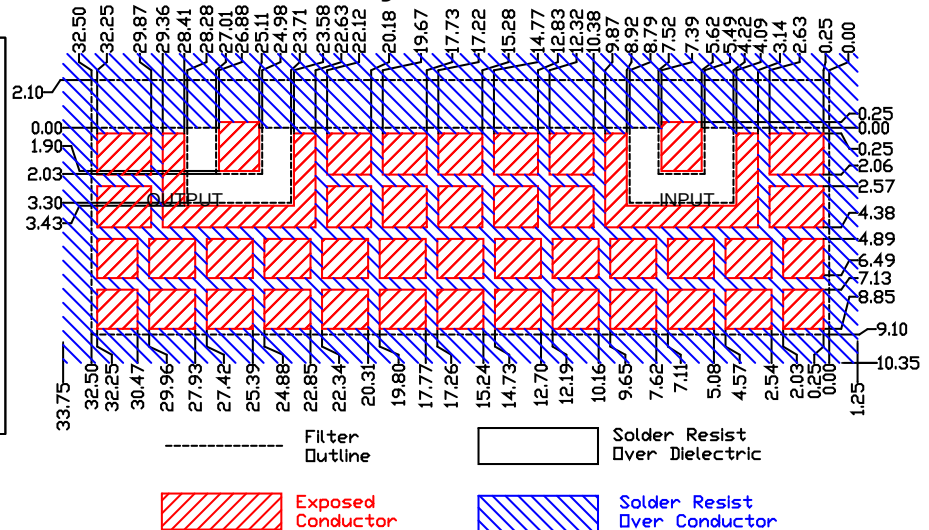


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	32.5	max
B	9.1	max
C	2.03	0.13
D	1.27	0.13
E	1.27	0.13
F	9.75	0.13
G	9.75	0.13
H	8.44	max
I	2.03	0.13
J	11.3	max
K	6.50	0.13

Electrical response

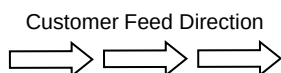


PCB Layout

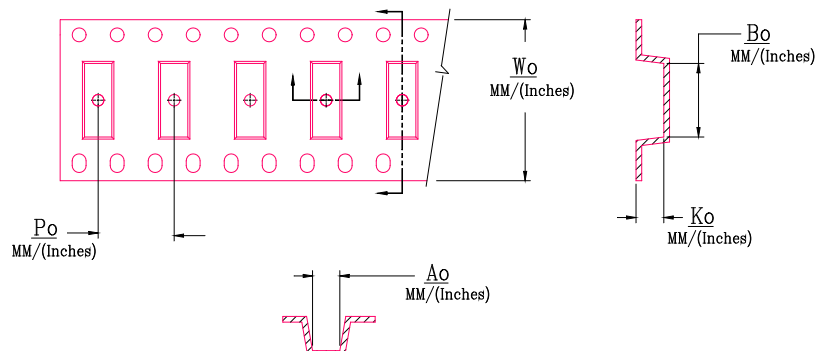


Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	1.6
REEL QUANTITY	ea.	250



CTS
66B
YWW



Wo	Ao	Bo	Ko	Po
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
2.20"/56	0.457"/11.6	1.291"/32.8	0.344"/8.74	0.787"/20.0