

Features

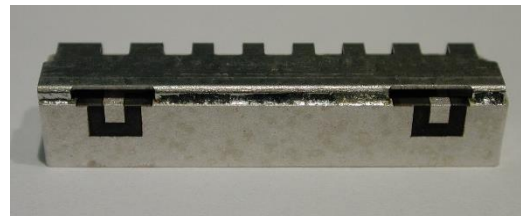
- Low Ripple
- High Rejection
- Low Loss

Description

Surface mount, silver (Ag) coated ceramic filter.

Weight: 4.0 grams typical

Material: Filter is composed of a ceramic block coated with Ag and a shield made of tin plated steel.



Electrical Specifications

<u>Parameter</u>	<u>Frequency MHz</u>	<u>Typical @ 25°C</u>	<u>Specification @ 25°C</u>	<u>Spec over -40°C to +85°C</u>
Passband Iloss	1500 - 2000	-1.30	-1.60	-1.80
Passband Ripple	1500 - 2000	0.80	1.10	1.20
Passband Return Loss @ Port 1	1500 - 2000	-12.00	-10.00	-10.00
Passband Return Loss @ Port 2	1500 - 2000	-12.00	-10.00	-10.00
Attenuation	1300	52.00	50.00	50.00
	1400	31.00	30.00	30.00
	2100	31.00	30.00	30.00
	2200	52.00	50.00	50.00
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

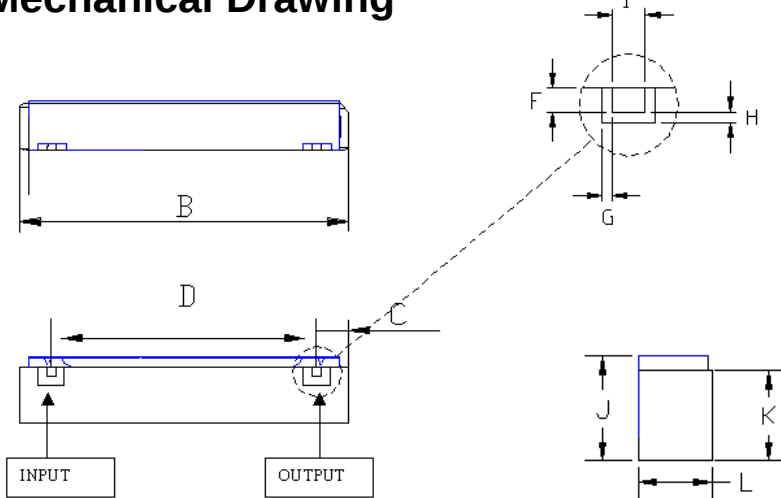
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*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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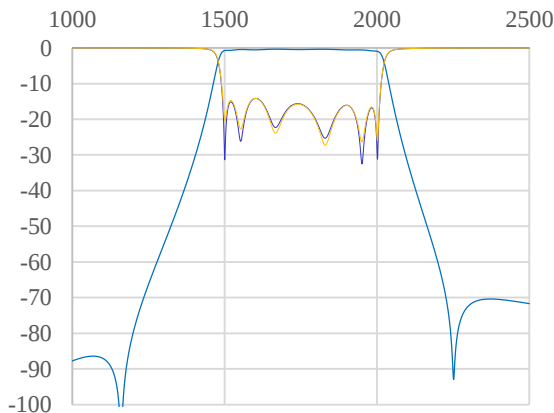
Mechanical Drawing

Preliminary B – Origin Date: April 16, 2019 – Revision Date: May 28, 2019

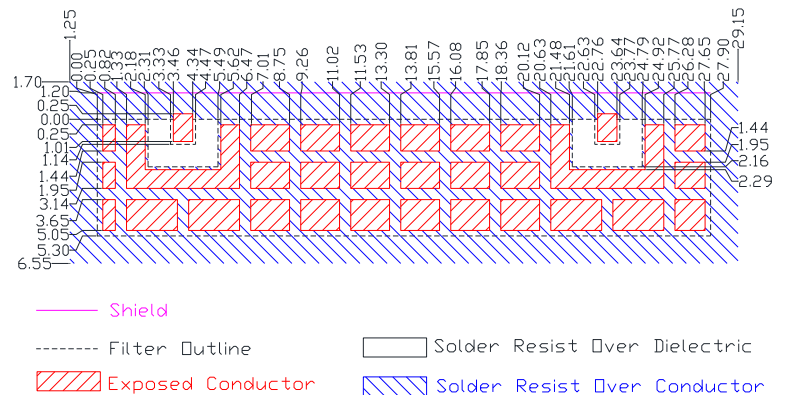


Dim	Nominal (mm)	Tolerance (mm) +/- or max
B	27.90	max
C	3.90	0.25
D	19.30	0.13
F	1.14	0.13
G	1.02	0.13
H	1.02	0.13
I	1.14	0.13
J	6.50	max
K	5.30	max
L	6.10	max

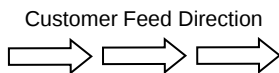
Electrical response



PCB Layout

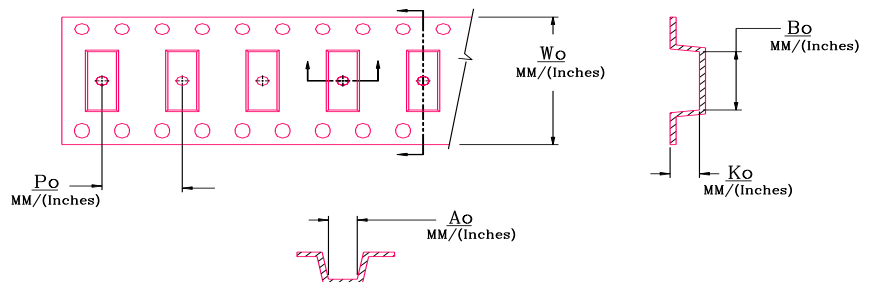


Packaging and Marking



DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	3.5
REEL QUANTITY	ea.	500

CTS
049
YWW



Wo	Ao	Bo	Ko	Po
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
1.732" / 44.0	0.268" / 6.80	1.134" / 28.8	0.252" / 6.4	0.472" / 12.0