

Features

- Small Size
- Low Ripple
- High Rejection

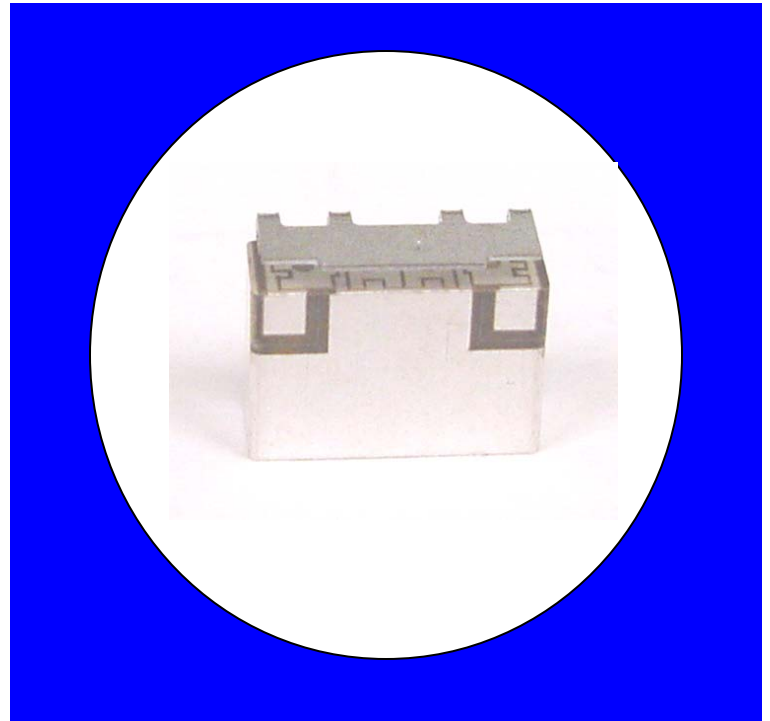
Description

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

Weight: 1.0 grams typical.

Material: Filter is composed of a Alumina based ceramic block plated with Ag.

Filter complies with RoHS standards.



Electrical Specifications

Parameter	Frequency MHz	Typical @ 25°C	Specification @ 25°C	Spec over -40°C to +105°C
Passband Iloss	2300 - 2400	-1.20	-1.70	-2.00
Passband Ripple	2300 - 2400	0.50	0.80	1.00
Passband Return Loss @ Port 1	2300 - 2400	-16.00	-15.00	-14.00
Passband Return Loss @ Port 2	2300 - 2400	-16.00	-15.00	-14.00
Attenuation	0.1 - 2100	-44.00	-40.00	-40.00
	2100 - 2200	-17.00	-15.00	-15.00
	2497 - 2600	-17.00	-15.00	-15.00
	2600 - 5000	-44.00	-40.00	-40.00
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:

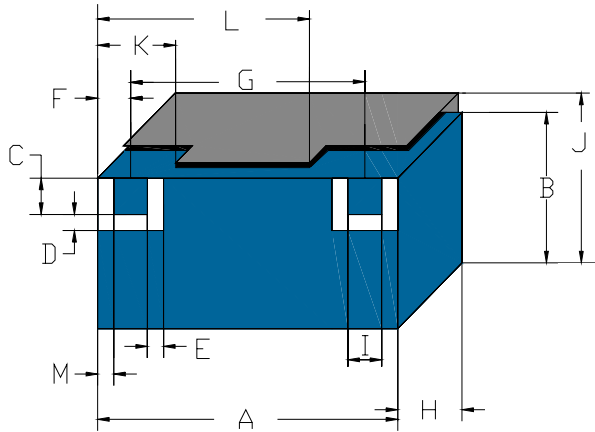
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*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;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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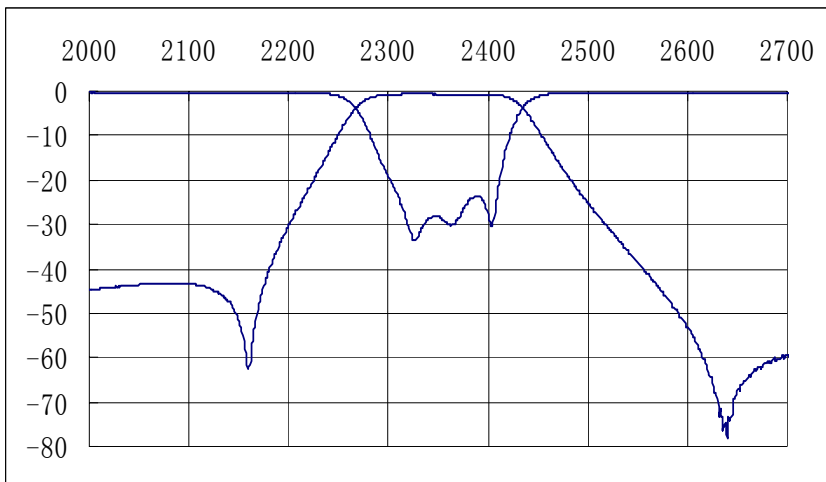
Mechanical Drawing

Revision B – Origin Date: July 23, 2012 – Revision Date: July 27, 2012

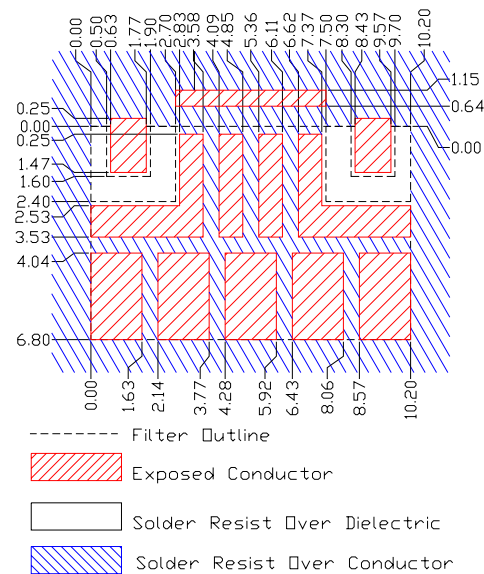


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	10.20	Max
B	6.90	Max
C	1.60	0.13
D	0.80	0.13
E	0.80	0.13
F	1.20	0.13
G	7.80	0.13
H	4.00	Max
I	1.40	0.13
J	7.90	Max
K	2.70	0.13
L	7.50	0.13
M	0.50	0.13

Electrical response

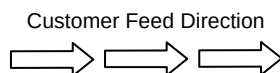


PCB Layout

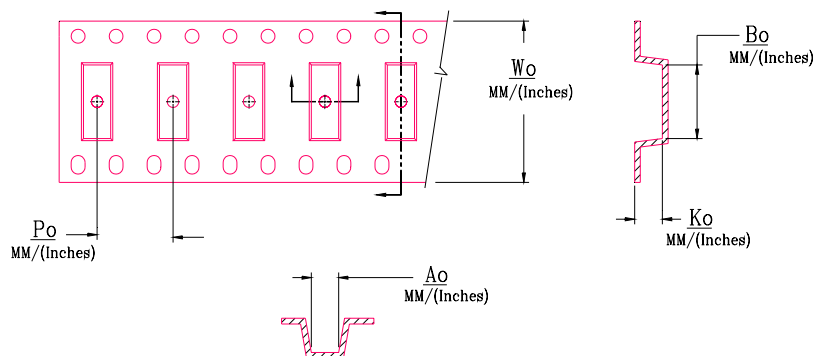


Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	1.6
REEL QUANTITY	ea.	1000



CTS
47E
YWW



Wo	Ao	Bo	Ko	Po
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
0.945"/24	0.319"/8.10	0.406"/10.30	0.165"/4.20	0.472"/12.00