

### Features

- Low Loss
- Low Ripple

### Description

Surface mount, silver (Ag) coated ceramic filter for use in broadband applications.

Weight: 1.33 grams typical.

Material: Filter is composed of a 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 +85°C
<b>TX to Antenna Response</b>				
Passband Iloss	994 - 1020	-0.8	-1.0	-1.1
Passband Ripple	994 - 1020	-0.1	-0.4	-0.4
Passband Return Loss @TX	994 - 1020	-14.0	-10.0	-10.0
Passband Return Loss @ Ant	994 - 1020	-14.0	-10.0	-10.0
Attenuation	862	-56.0	-15.0	-15.0
	1152	-23.0	-10.0	-10.0
Power into any port		3 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:

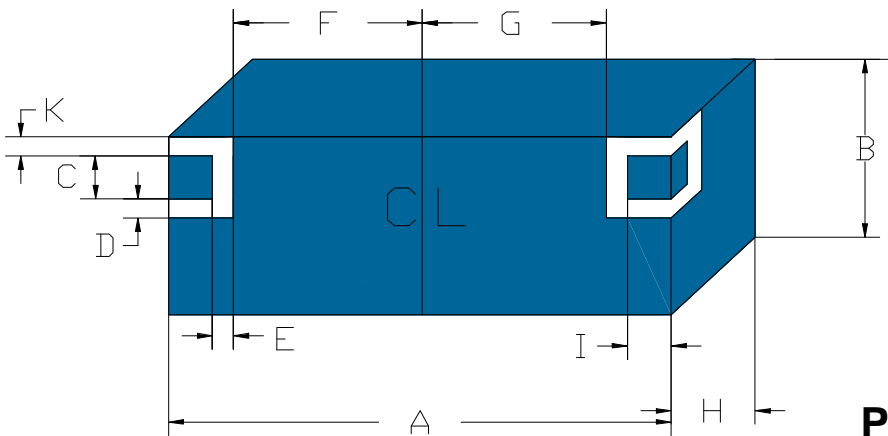
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

\*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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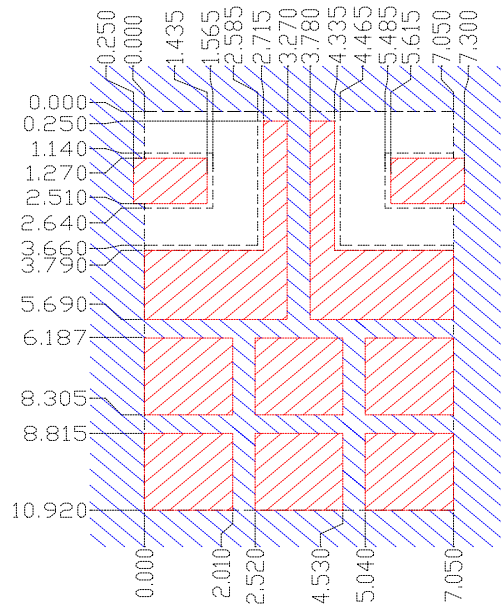
## Mechanical Drawing

Rev 0 – Origin Date: April 7, 2006 – Revision Date: January 25, 2007



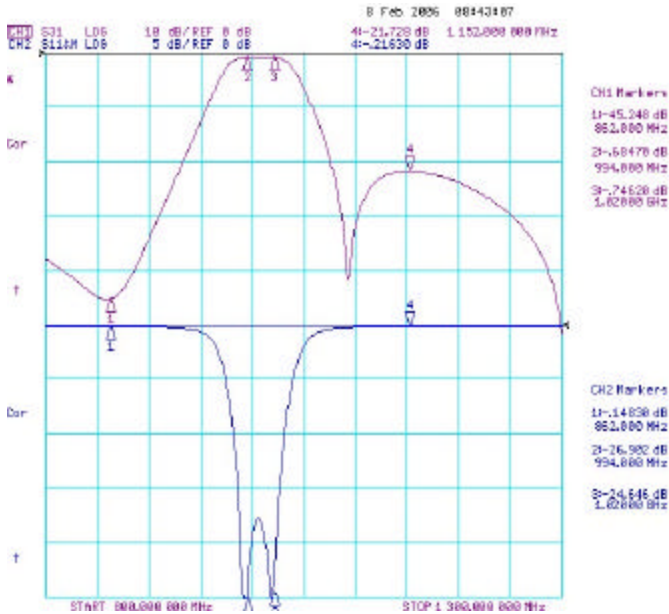
Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	7.05	Max
B	10.92	Max
C	1.50	0.13
D	1.02	0.13
E	1.02	0.13
F	0.94	0.13
G	0.94	0.13
H	3.93	Max
J	1.56	0.13
K	1.55	0.13

## PCB Layout



- - - - - Filter Outline  
 [Red Hatched] Exposed Conductor  
 [Blue Hatched] Solder Resist Over Conductor  
 [White] Solder Resist Over Dielectric

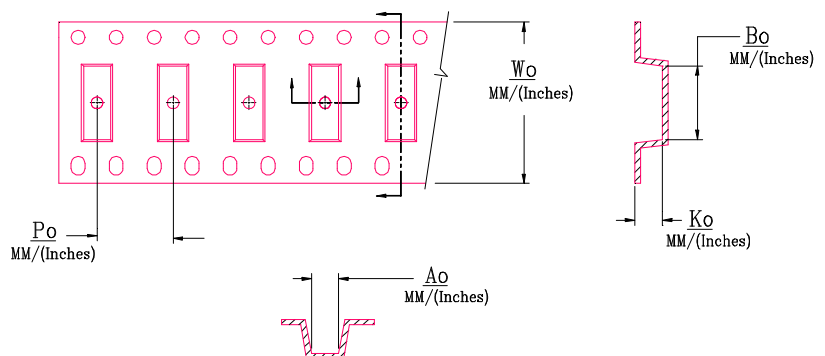
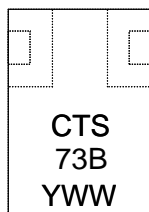
## Electrical response



## Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	1.7
REEL QUANTITY	ea.	500

Customer Feed Direction



Wo	Ao	Bo	Ko	Po
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
0.945"/24	0.443"/11.25	0.289"/7.35	0.163"/4.15	0.630"/16