

Features

- Extended Bandwidth
- Excellent Ripple
- High Rejection

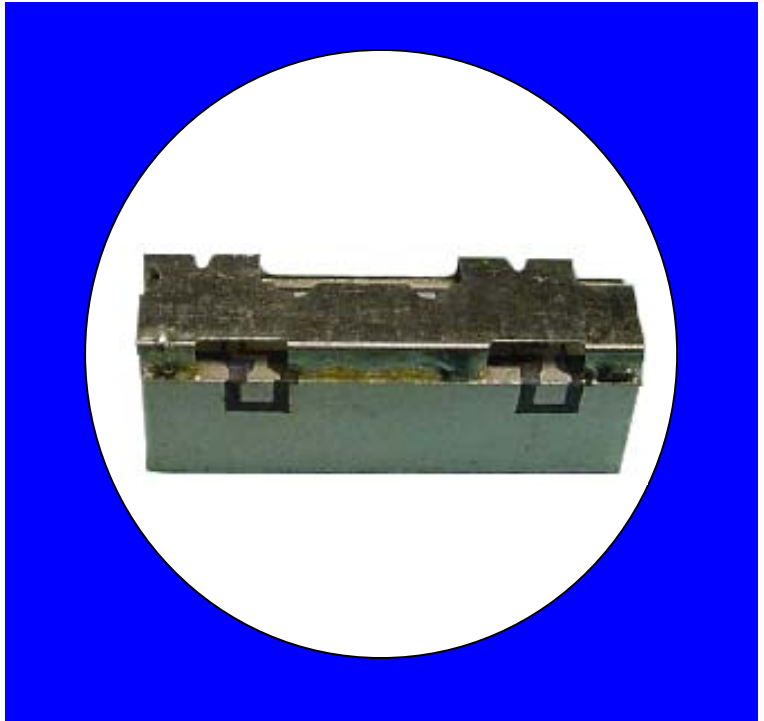
Description

Surface mount, silver (Ag) coated ceramic filter. Developed for use in W-CDMA infrastructure applications.

Weight: 4.7 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	Spec. over -10°C to +80°C
Passband Insertion Loss	2100 – 2180	1.85	2.4 dB max.
Passband Ripple	2100 – 2180	0.8	1.5 dB max.
Passband Return Loss	2100 – 2180	15	10.0 dB min.
Attenuation:	2010	45	30.0 dB min.
	2210	36	30.0 dB min.
Power into any port		2 Watt max.	

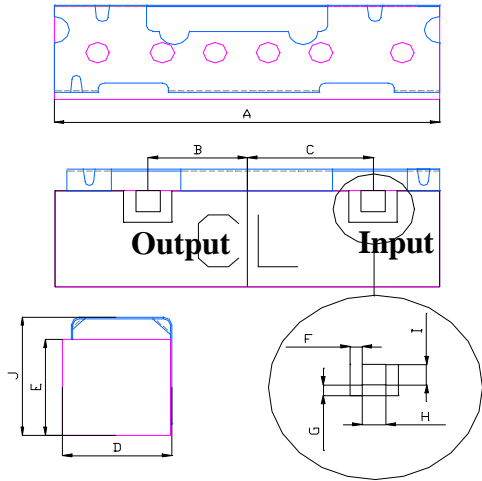
Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

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.

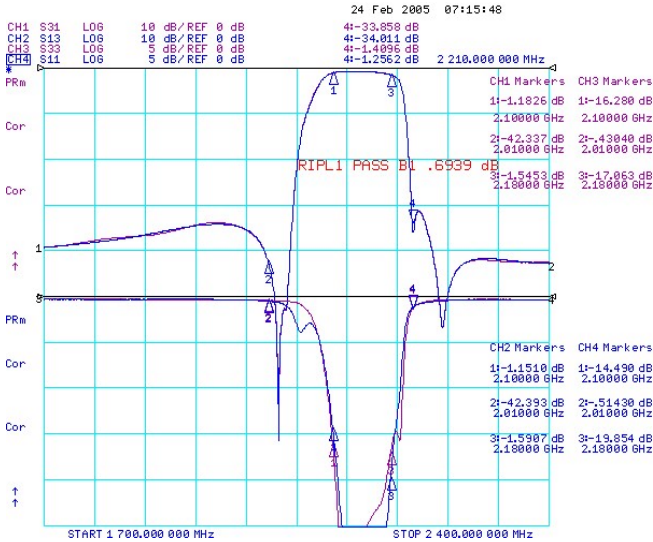
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Mechanical Drawing

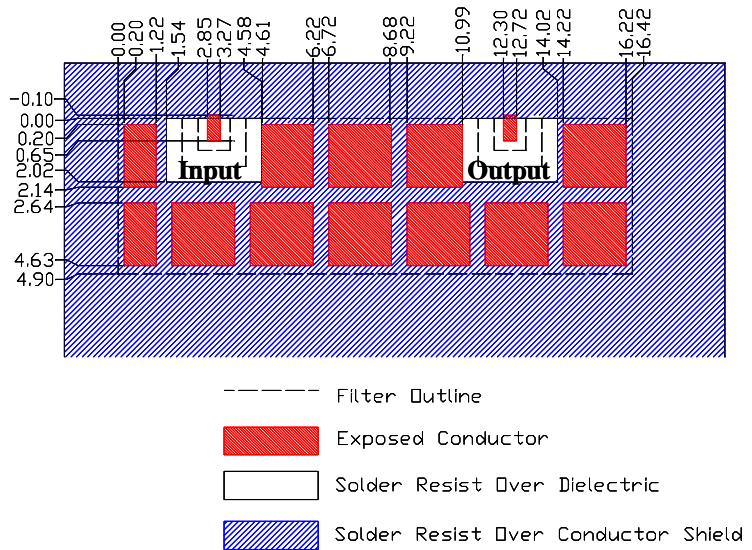


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	16.42	max
B	4.20	0.13
C	5.30	0.13
D	4.85	max
E	4.90	max
F	0.51	0.13
G	0.51	0.13
H	1.02	0.13
I	1.02	0.13
J	6.03	max

Electrical response

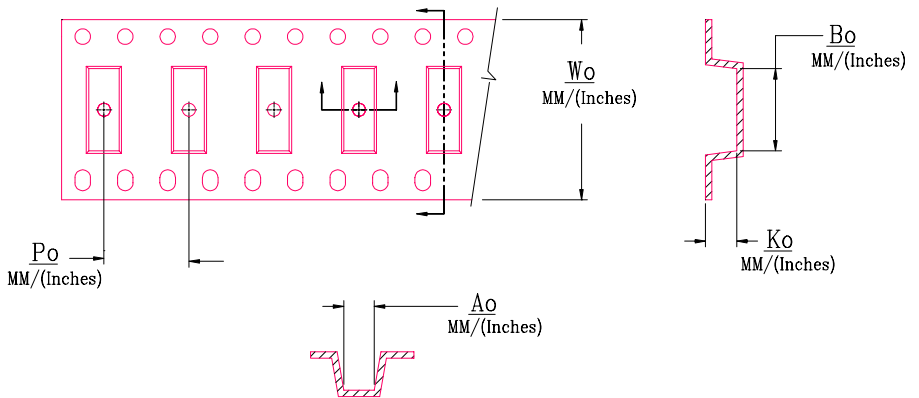


PCB Layout



Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	3.1
REEL QUANTITY	ea.	500



MODEL NO.	W_o	A_o	B_o	K_o	P_o
CER0171	24.0/(0.945)	6.50/(0.256)	16.7/(0.657)	5.10/(0.201)	12.0/(0.472)