

Features

- Low Ripple
- High Rejection
- Low Loss

Description

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



Weight: 4.7 grams typical

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

Filter complies with RoHS standards.

Electrical Specifications

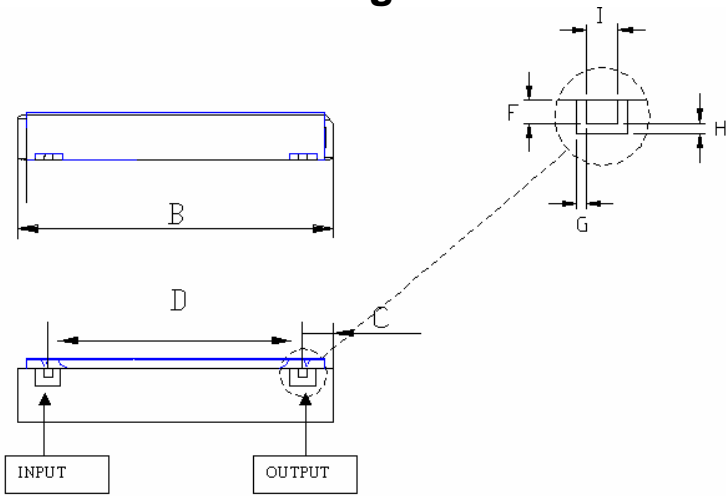
Parameter	Frequency (MHz)	Typical @ 25°C	Spec. @ 25°C	Spec. over -40°C to +85°C
Passband Insertion Loss	1686.5 - 1688.5	1.2 dB	5.0 Max. dB	5.0 Max. dB
Group Delay Variation	Cf +/- 1 MHz	0.2 nS	1nS Max.	1nS Max.
Passband Return Loss	1686.5 - 1688.5	18.0 dB	12.0 dB	12.0 dB
Attenuation:	1575 MHz	84.0 dB	60.0 dB	60.0 dB
	1800 MHz	71.8 dB	60.0 dB	60.0 dB
Power into any port				

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

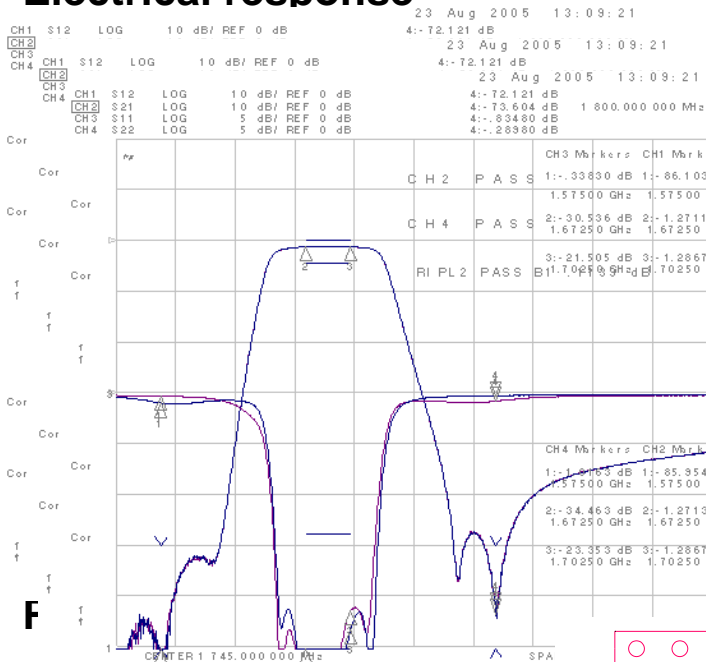
*This product is covered by one or more of the following U.S. and foreign patents including: US 4,692,726;US 4,742,562; US 4,800,348;US 4,829,274;US 5,146,193;EP 0573597;DE 0573597;FR 0573597;JP 508149/92;KR 142171;US 5,162,760;US 5,218,329;US 5,250,916;US 5,327,109;US 5,488,335;CA 2114029;FR 9306297;GB 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.

Mechanical Drawing

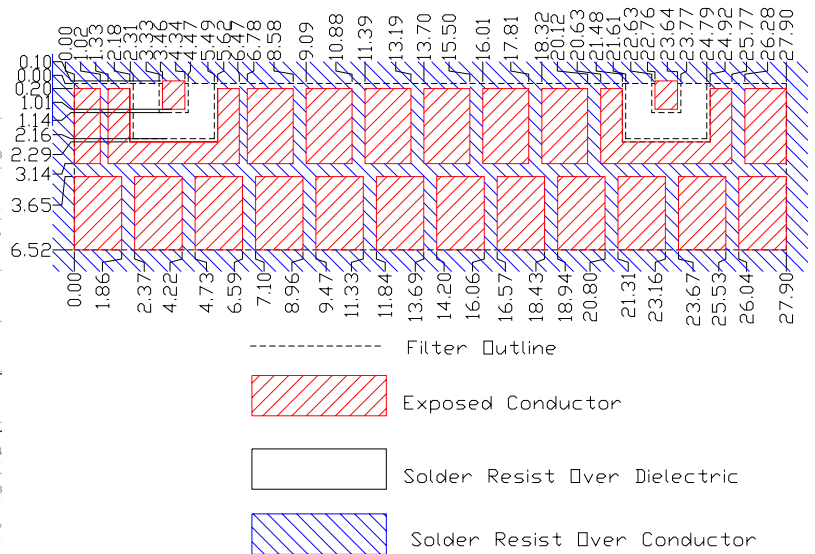


Dim	Nominal (mm)	Tolerance (mm) +/- or max
B	27.9	max
C	3.897	0.25
D	19.3	0.13
F	1.14	0.13
G	1.02	0.13
H	1.02	0.13
I	1.14	0.13
J	8.03	max
K	6.52	max
L	6.20	max

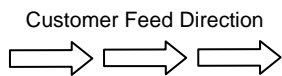
Electrical response



PCB Layout

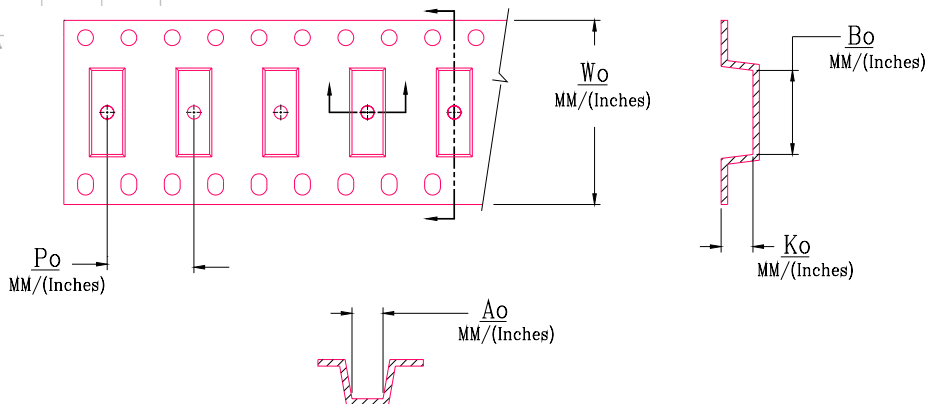


DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	
REEL QUANTITY	ea.	500



Product Marking

MCV
89A
YWW



MODEL NO.	W_o	A_o	B_o	K_o	P_o
CER0289	44.0/(1.732)		28.20/(1.110)	6.00/(0.236)	