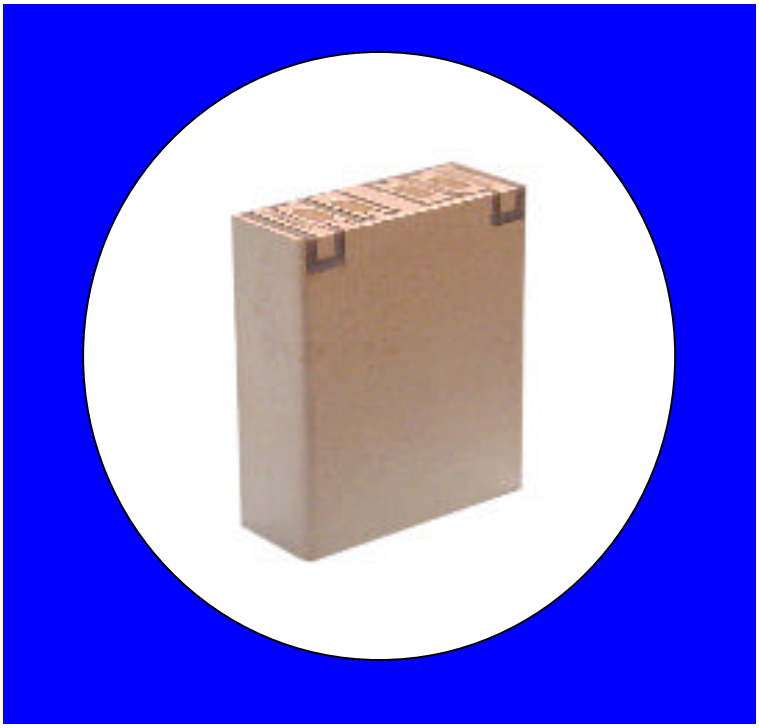
CER0512A

880 MHz BPF

Rev 2 – Origin Date: January 27, 2007 – Revision Date: March 28, 2007

Features

- Low Loss
- High Rejection
- Excellent Return Loss



Description

Surface mount, silver (Ag) coated neodymium ceramic filter. Developed for use in 880 MHz infrastructure applications.

Weight: 7.04 grams typical

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

Filter complies with RoHS standards.

Electrical Specifications

Parameter	Frequency MHz	Typical @ 25ºC	Specification @ 25ºC	Spec over -40ºC to +85ºC
Passband Iloss	849 - 914	0.8	-2.8	-3.0
Passband Ripple	849 - 914	0.2	1.9	2.0
Passband Return Loss @ Port 1	849 - 914	-14.0	-10.0	-10.0
Passband Return Loss @ Port 2	849 - 914	-14.0	-10.0	-10.0
Passband Phase Variation	849 - 914	+/- 4^0	+/- 8^0	+/- 8^0
Attenuation	0.1 - 230	-50.0	-25.0	-25.0
	230 - 700	-25.0	-15.0	-15.0
	1090 - 1350	-53.0	-50.0	-50.0
	1679 - 1740	-28.0	-25.0	-25.0
Power into any port		1 Watt max		

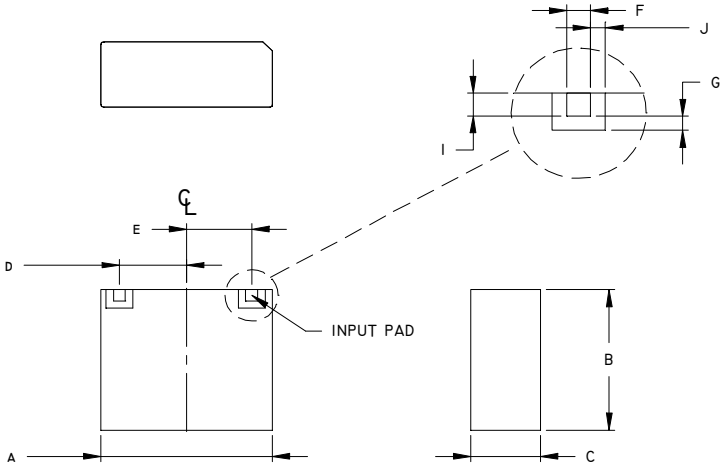
Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

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.

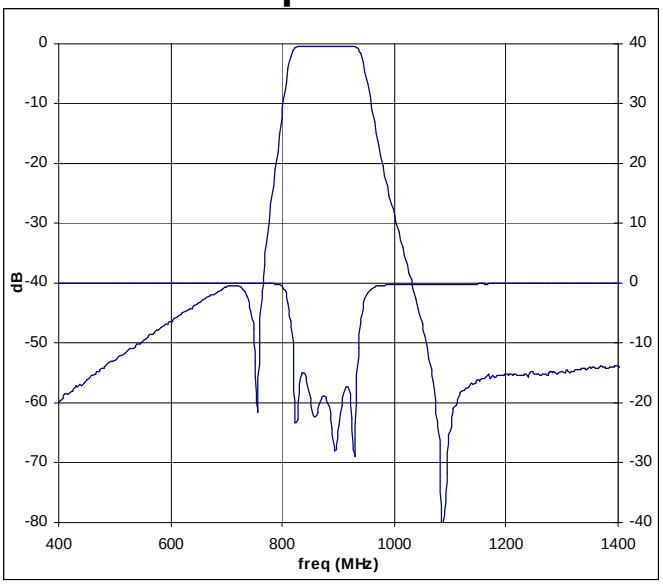
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Mechanical Drawing

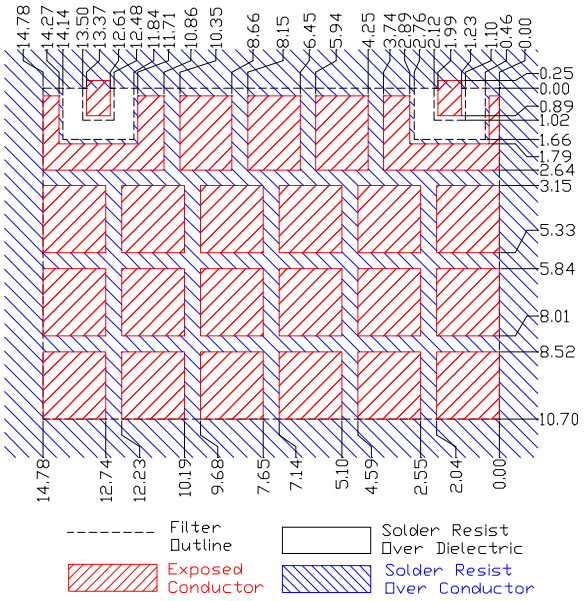


Dim	Nominal (mm)	Tolerance (mm) +/- or max	Critical Parameters Noted by X
A	14.78	Max.	X
B	10.7	Max.	X
C	6.0	Max.	X
D	5.78	0.13	X
E	5.60	0.13	X
F	1.02	0.13	X
G	0.64	0.13	X
I	1.02	0.13	X
J	0.64	0.13	X

Electrical response

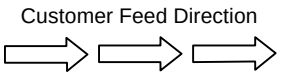


PCB Layout

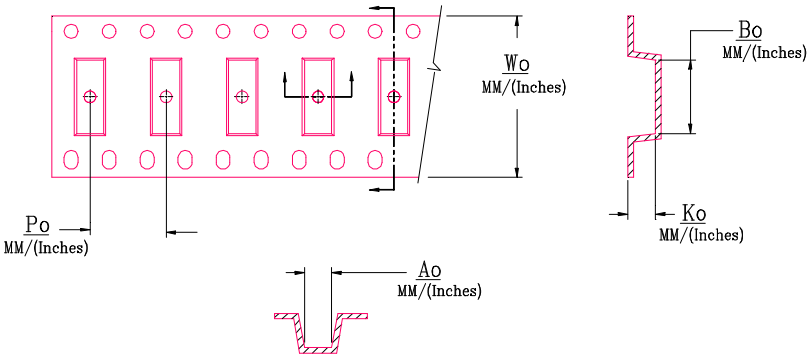


Packaging and Marking

Customer Feed Direction



DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	2.3
REEL QUANTITY	ea.	250



CTS
512
YWW

Wo Inches/mm	Ao Inches/mm	Bo Inches/mm	Ko Inches/mm	Po Inches/mm
0.945"/24	0.594"/15.08	0.433"/11.0	0.248"/6.30	0.787"/20.0