

Features

- Low Loss
- High Rejection
- Low Ripple

Description

Surface mount, silver (Ag) coated ceramic filter. Developed for use in 800 MHz Infrastructure Applications.

Weight: 1.27 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
Passband Iloss	870 - 915	-2.7	-3.0	-3.2
Passband Ripple	870 - 915	0.5	1.9	2.0
Passband Return Loss @ TX	870 - 915	-13.0	-10.0	-10.0
Passband Return Loss @ Ant	870 - 915	-13.0	-10.0	-10.0
Attenuation	836.5	-22.0	-20.0	-20.0
	926	-21.0	-19.0	-19.0
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

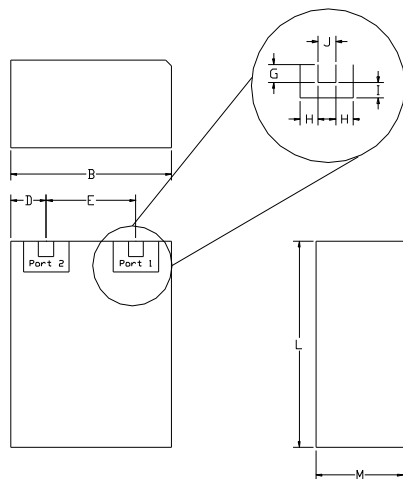
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*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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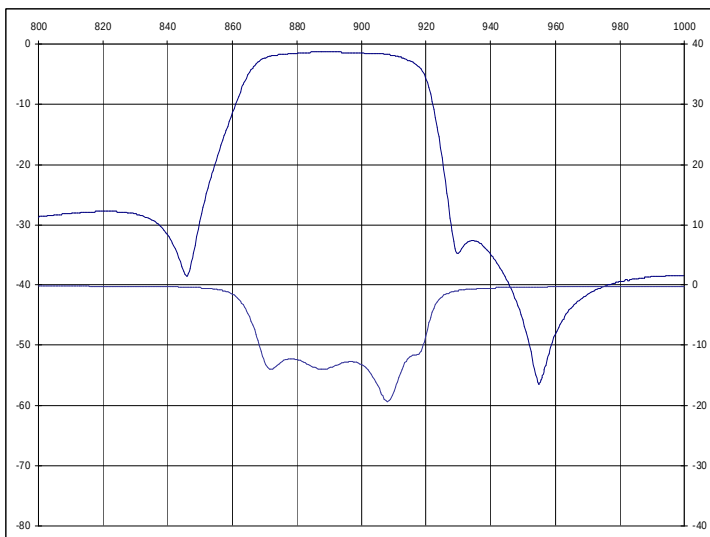
Mechanical Drawing

Preliminary A – Origin Date: March 2, 2009 – Revision Date: March 2, 2009

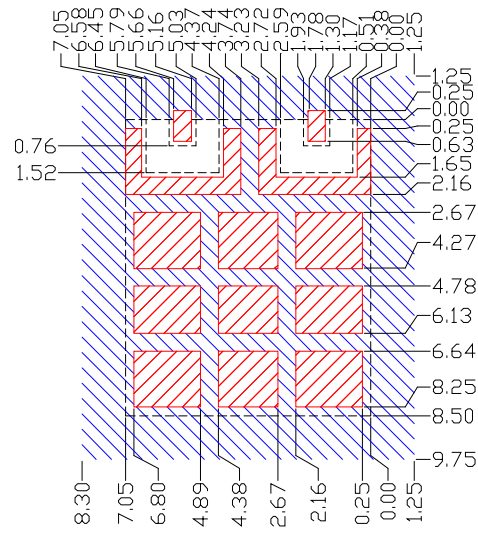


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A		
B	7.05	max
C		
D	1.55	0.25
E	3.86	0.13
F		
G	0.76	0.13
H	0.66	0.13
I	0.76	0.13
J	0.76	0.13
K		
L	8.5	max
M	3.93	max

Electrical response

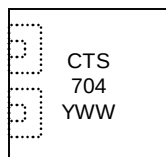
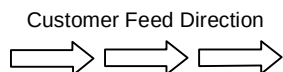
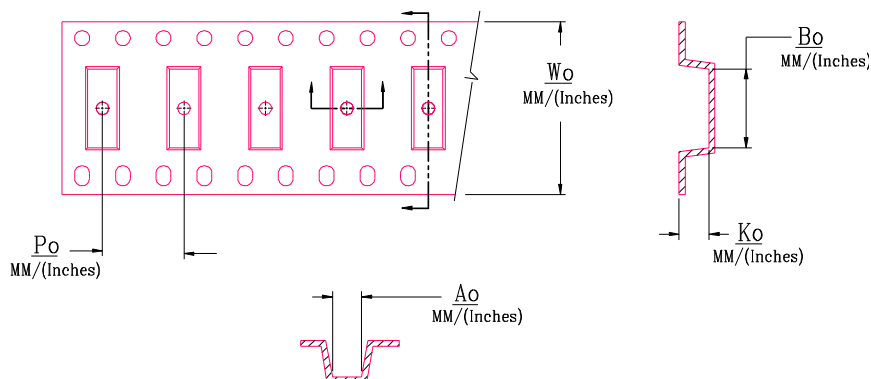


PCB Layout



Packaging and Marking

REEL DIAMETER	mm	330
REEL WEIGHT	kg	0.346
REEL QUANTITY	ea.	500



MODEL NO.	Wo	Ao	Bo	Ko	Po
CER0704A					