

Features

- Low Insertion Loss
- Low Ripple
- Excellent Rejection and Isolation

Description

Surface mount, silver (Ag) coated ceramic duplexer.

Weight: 13.72 grams typical

Material: Filter is composed of a ceramic block plated with Ag and a shield made of Sn plated steel.

Filter complies with RoHS standards.

Electrical Specifications



Parameter	Frequency MHz	Typical @ 25°C	Specification @ 25°C	Spec over -40°C to +85°C
Low Band Response				
Passband Iloss	758 - 768	-1.80	-2.20	-2.40
Passband Ripple	758 - 768	0.50	0.90	1.00
Passband Return Loss @ Port 2	758 - 768	-14.00	-13.00	-13.00
Passband Return Loss @ Ant	758 - 768	-14.00	-13.00	-13.00
Attenuation	1 - 698	-39.00	-37.00	-37.00
	698 - 728	-39.00	-37.00	-37.00
	728 - 746	-13.00	-12.00	-12.00
	799 - 870	-52.00	-50.00	-50.00
	2400 - 2500	-22.00	-20.00	-20.00
High Band Response				
Passband Iloss	788 - 798	-2.00	-2.30	-2.50
Passband Ripple	788 - 798	0.50	0.90	1.00
Passband Return Loss @ Port 3	788 - 798	-14.00	-13.00	-13.00
Passband Return Loss @ Ant	788 - 798	-14.00	-13.00	-13.00
Attenuation	40 - 768	-50.00	-46.00	-46.00
	769 - 775	-41.00	-40.00	-40.00
	824 - 849	-26.00	-25.00	-25.00
	851 - 870	-40.00	-36.00	-36.00
	1576 - 1596	-40.00	-35.00	-35.00
Isolation (S23)				
Rejection @ Low Band	758 - 768	-61.00	-60.00	-60.00
Rejection @ High Band	788 - 798	-64.00	-62.00	-62.00
Power into any port		5 Watt max		

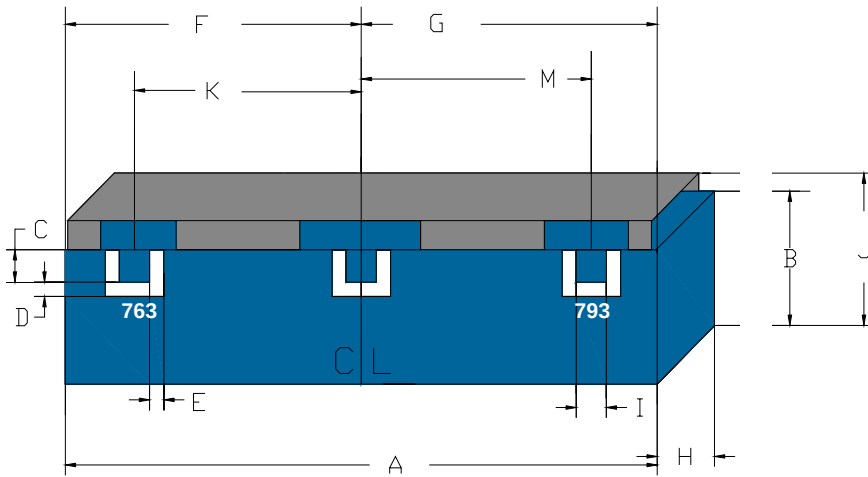
Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

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;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

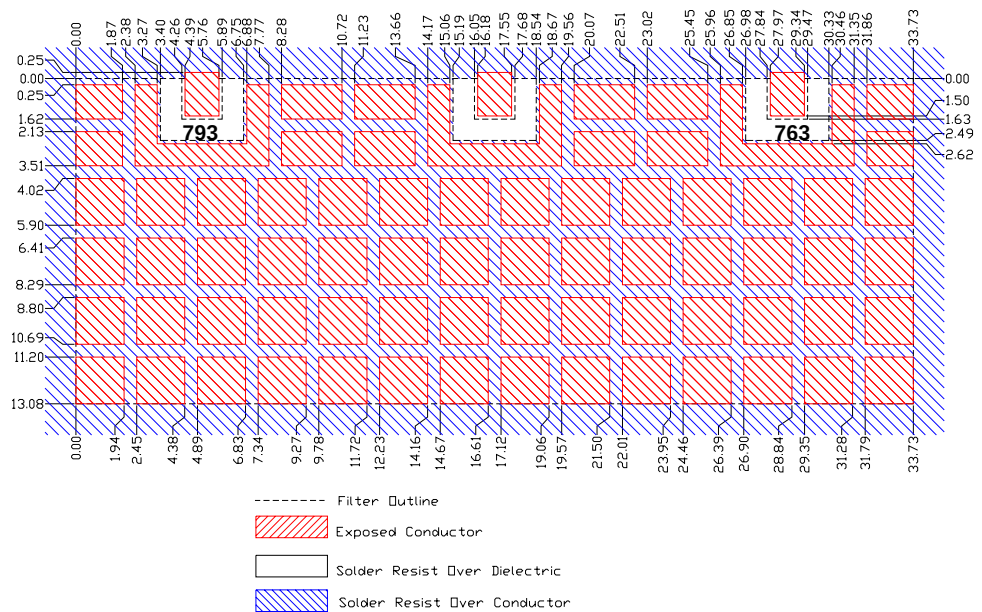
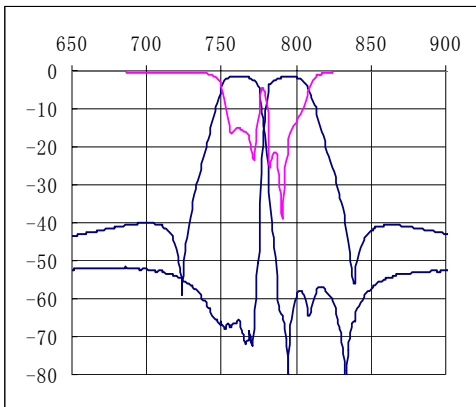
Preliminary D – Origin Date: Jan 15, 2013 – Revision Date: May 10, 2013



Dimension	Nominal (mm)	Tolerance (mm) +/-
A	33.73	0.27
B	13.45	max
C	1.63	0.13
D	0.86	0.13
E	0.86	0.13
F	16.87	0.13
G	16.87	0.13
H	6.56	max
I	1.63	0.13
J	15.25	max
K	11.79	0.13
M	11.79	0.13

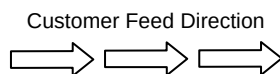
Electrical Response

PCB Layout

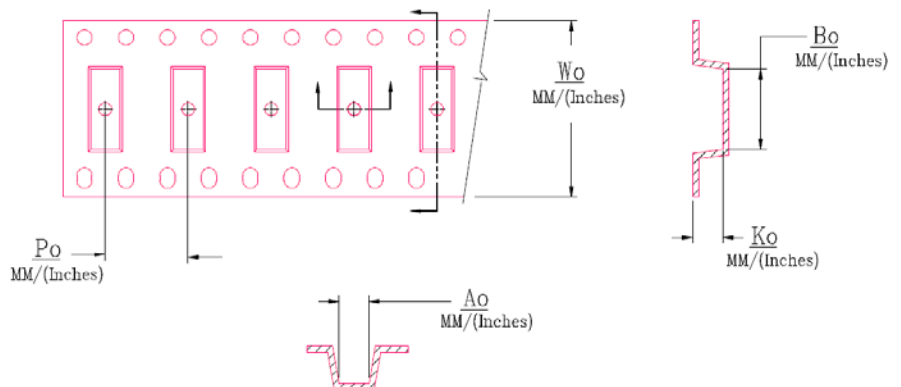
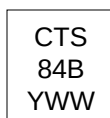


Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	3.8
REEL QUANTITY	ea.	250



Product Marking



Wo	Ao	Bo	Ko	Po
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
2.205" / 56.0	TBD	1.350" / 34.29	0.265" / 6.73	0.787" / 20.0