

### Features

- Low Loss
- Excellent Rejection
- Excellent Power Handling

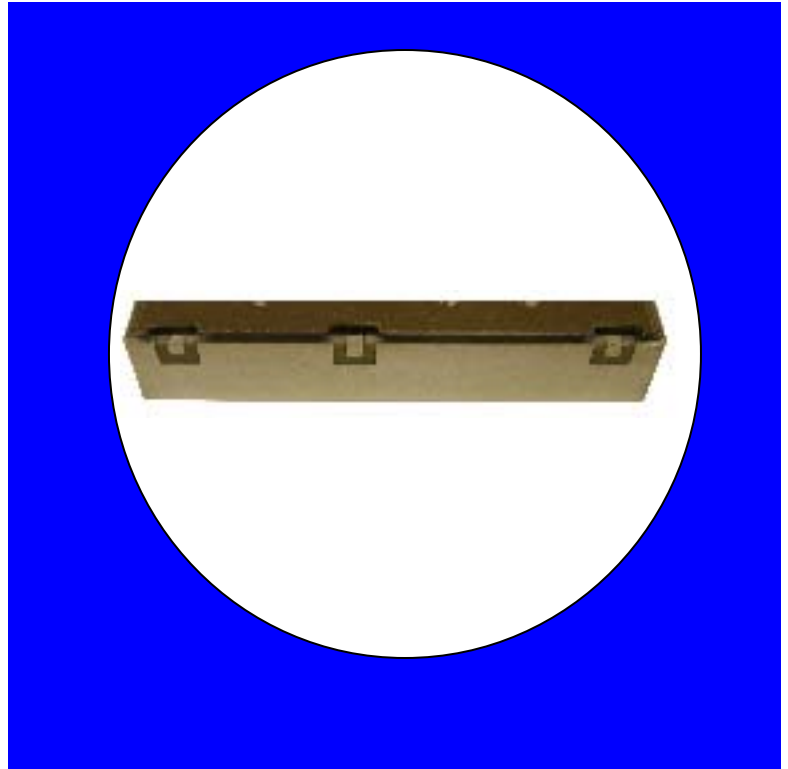
### Description

Surface mount, silver (Ag) coated ceramic duplexer.

Weight: 7.8 grams typical

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

Filter complies with RoHS standards.



### Electrical Specifications

Parameter	Frequency (MHz)	Typical @ 25°C	Spec. @ 25°C	Spec. over -40°C to +85°C
<b>Low Band Response</b>				
Passband Insertion Loss	699 - 715	-2.2	-2.6	-2.8
Passband Return Loss @ TX	699 - 715	-14	-12	-12
Passband Return Loss @ ANT	699 - 715	-14	-12	-12
Attenuation:	349 - 357	-56	-55	-55
	729 - 745	-58	-56	-56
<b>High Band Response</b>				
Passband Insertion Loss	729 - 745	-3.3	-3.7	-3.9
Passband Return Loss @ RX	729 - 745	-14	-12	-12
Passband Return Loss @ ANT	729 - 745	-14	-12	-12
Attenuation:	699 - 715	-71	-69	-69
<b>TX to RX Response</b>				
Isolation @ Low Band	699 - 715	-72	-71	-71
Isolation @ High Band	729 - 745	-60	-58	-58
Power into any port		5 Watt max		

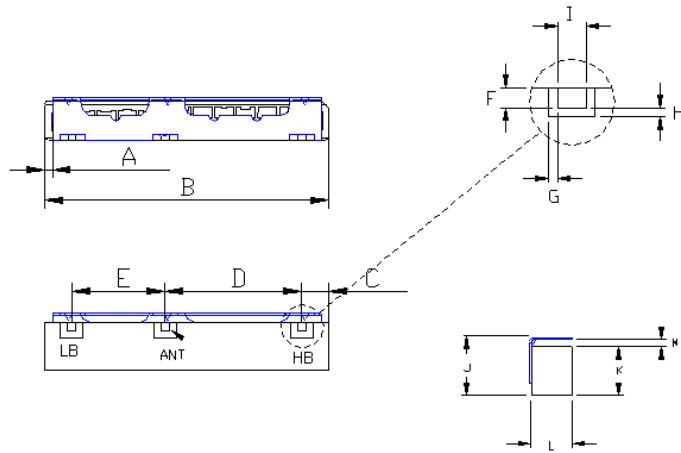
Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

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;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.

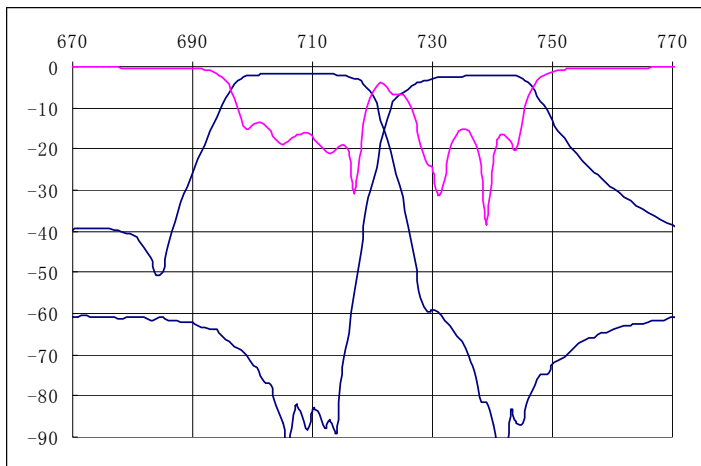
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### Mechanical Drawing



Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	1.054	0.25
B	40.41	max
C	3.897	0.13
D	19.3	0.13
E	13.13	0.13
F	1.14	0.13
G	1.02	0.13
H	1.02	0.13
I	1.14	0.13
J	17.44	max
K	16	max
L	6.2	max
M	1.016	0.17

### Electrical response

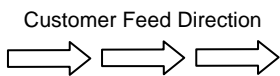


### PCB Layout

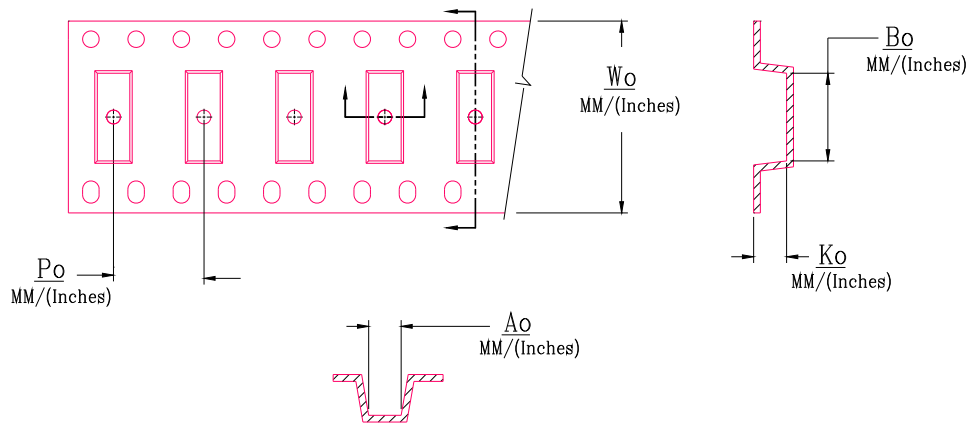
Under Construction

### Packaging and Marking

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



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MODEL NO.	$W_0$	$A_0$	$B_0$	$K_0$	$P_0$
CER0017	2.205/56	TBD	1.606/40.8	0.232/5.90	TBD