

Features

- Low Cost
- Small Size
- Good Rejection

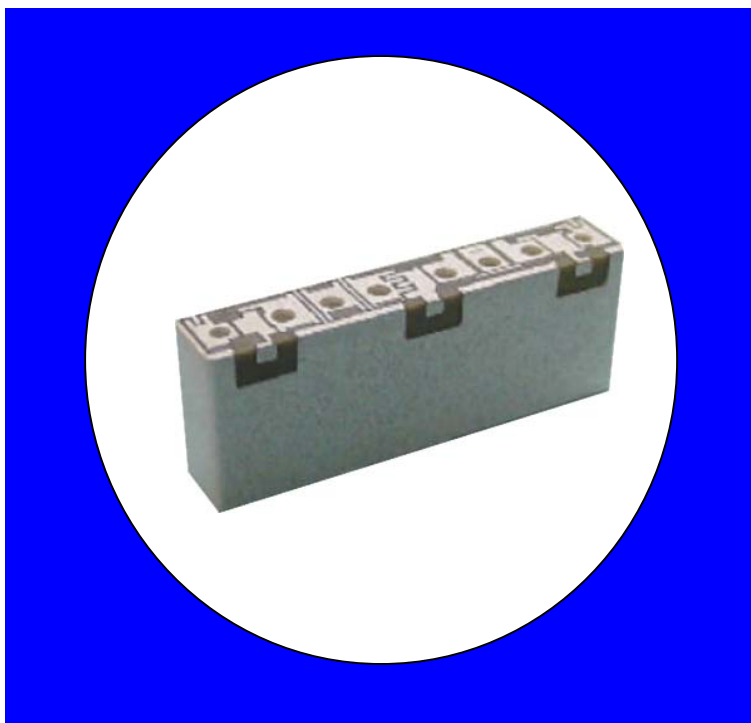
Description

Surface mount, silver (Ag) coated ceramic duplexer. Developed for use in disposable handset applications.

Weight: 3.61 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
TX to Antenna Response			
Passband Insertion Loss	824-849	1.9 dB max	3.0 dB
Passband Return Loss @ TX	824-849	16.0 dB min	10.0 dB
Passband Return Loss @ ANT	824-849	17.0 dB min	10.0 dB
Attenuation:	869-894	44.0 dB min	38.0 dB
Antenna to RX Response			
Passband Insertion Loss	869-894	2.8 dB max	4.2 dB
Passband Return Loss @ RX	869-894	11.5 dB min	8.0 dB
Passband Return Loss @ ANT	869-894	12.5 dB min	8.0 dB
Attenuation:	824-849	50.0 dB min	45 dB

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

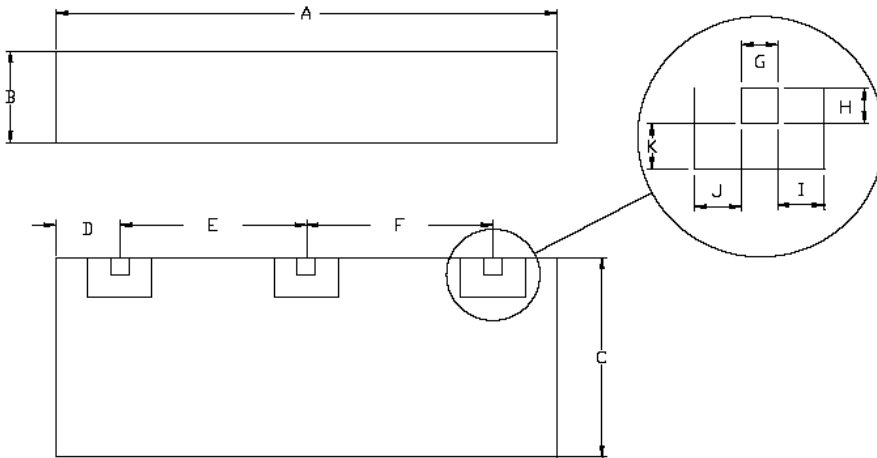
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*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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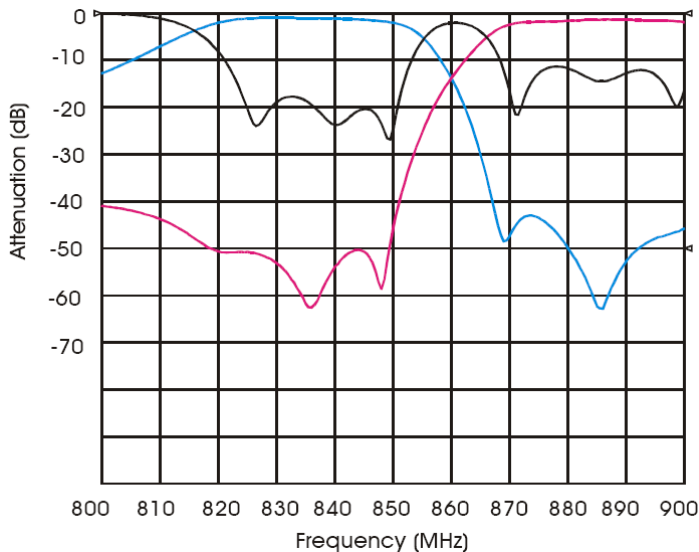
Mechanical Drawing

Rev 1 – Origin Date: July 11, 2005 – Revision Date: November 11, 2005

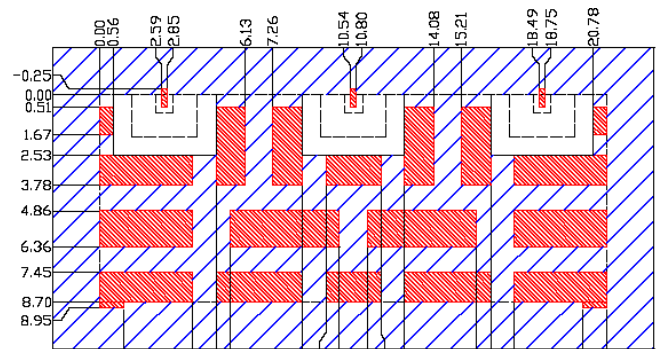


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	21.59	max
B	4.25	max
C	8.95	max
D	2.72	0.25
E	7.95	0.25
F	7.95	0.13
G	0.76	0.13
H	0.76	0.13
I	1	0.13
J	1	0.13
K	1	0.13

Electrical response



PCB Layout



Dimensions are in MM
Tolerances = ± 0.13

----- Filter Outline
Solder Resist Over Dielectric
Exposed Conductor
Solder Resist Over Conductor

Packaging and Marking

DIMENSIONS	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	2.45
REEL QUANTITY	each	500

Customer Feed Direction
→ → →

