

Features

- Low Loss
- Low Ripple
- High Rejection

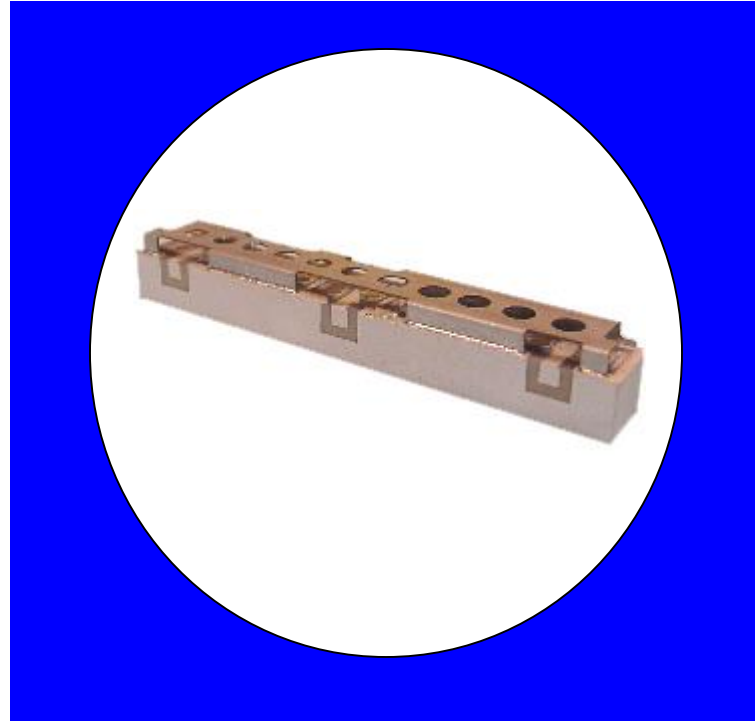
Description

Surface mount, silver (Ag) coated ceramic duplexer. Developed for use in Small Cell Wireless Infrastructure applications.

Weight: 35.4 grams typical

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

Filter complies with RoHS standards.



Electrical Specifications

Parameter	Frequency (MHz)	Typical @ 25°C	Spec. @ 25°C	Spec. over -40°C to +85°C
Antenna to UL Response				
Passband Insertion Loss Over Any 5 MHz	703 - 733	2.4 dB	2.5 dB max	2.6 dB max
Passband Return Loss	703 - 733	15.0 dB	12.0 dB min	12.0 dB min
Attenuation:	758 - 788	69.0 dB	66.0 dB min	66.0 dB min
DL to Antenna Response				
Passband Insertion Loss Over Any 5 MHz	758 - 788	2.4 dB	2.5 dB max	2.6 dB max
Passband Return Loss	758 - 788	15.0 dB	12.0 dB min	12.0 dB min
Attenuation:	703 - 733	73.0 dB	72.0 dB min	72.0 dB min
	814 - 894	45.0 dB	42.0 dB min	42.0 dB min
DL to UL Response				
Rejection in UL Band	703 - 733	73.0 dB	72.0 dB min	72.0 dB min
Rejection in DL Band	758 - 788	69.0 dB	66.0 dB min	66.0 dB min
Average Input Power				6 Watt max
Peak Input Power				60 Watt max

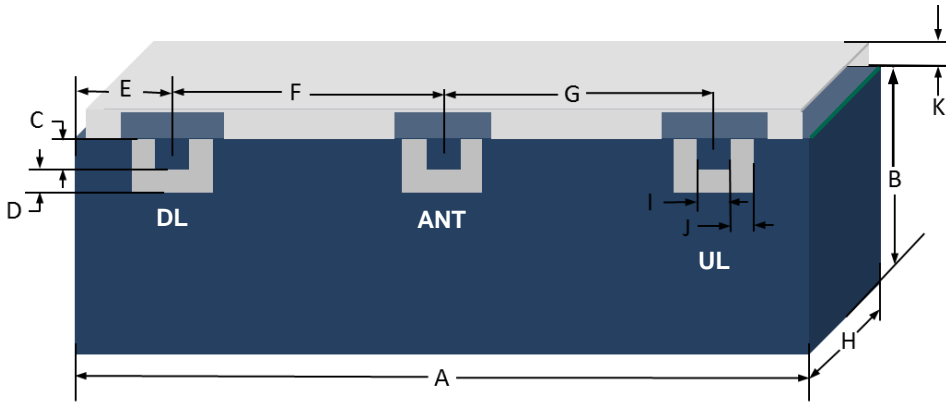
Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

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.

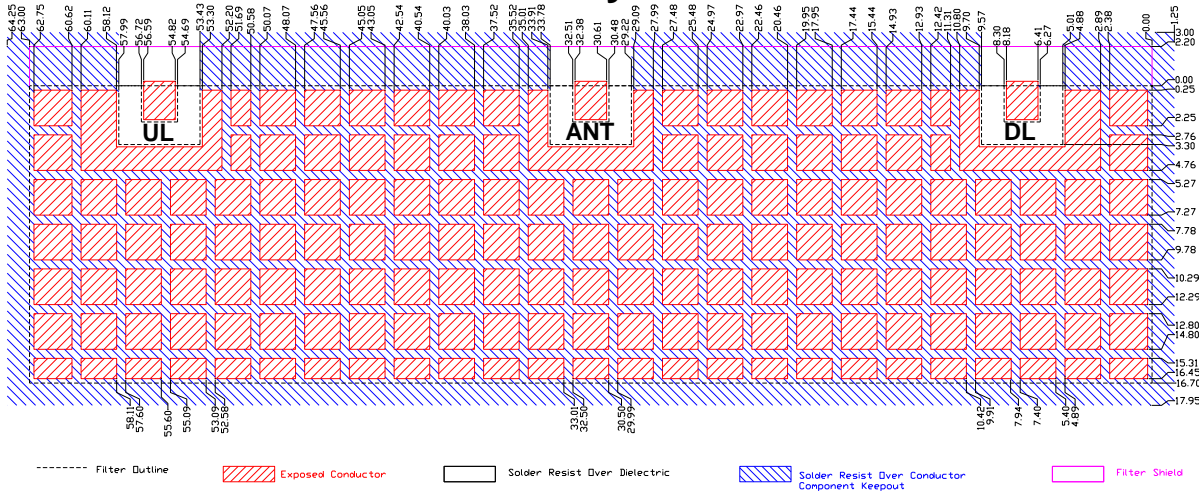
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Mechanical Drawing

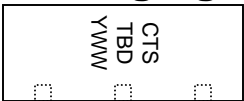


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	63.00	Max
B	16.70 est	Max
C	2.03	0.13
D	1.27	0.13
E	6.49	0.13
F	24.21	0.13
G	24.21	0.13
H	12.00	Max
I	2.03	0.13
J	1.27	0.13
K	1.80	0.13

PCB Layout

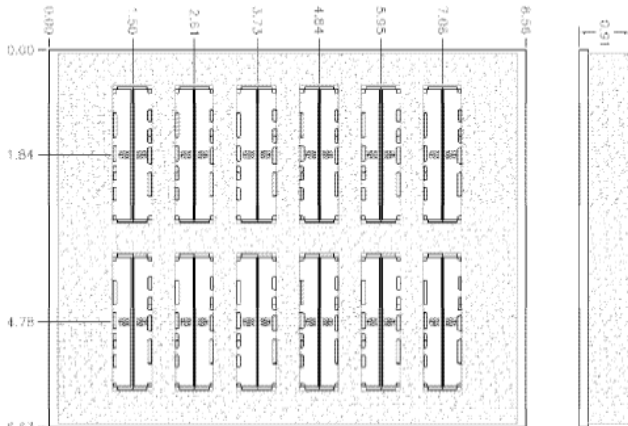


Packaging and Marking



Product is shipped in preformed foam trays

Electrical response



The trays have 12 slots each with 2 filters per slot. Boxes are packed with 5 Trays per box for a total of 120 filters per box.