

### Features

- Extended pass band
- Low loss
- High rejection

### Description

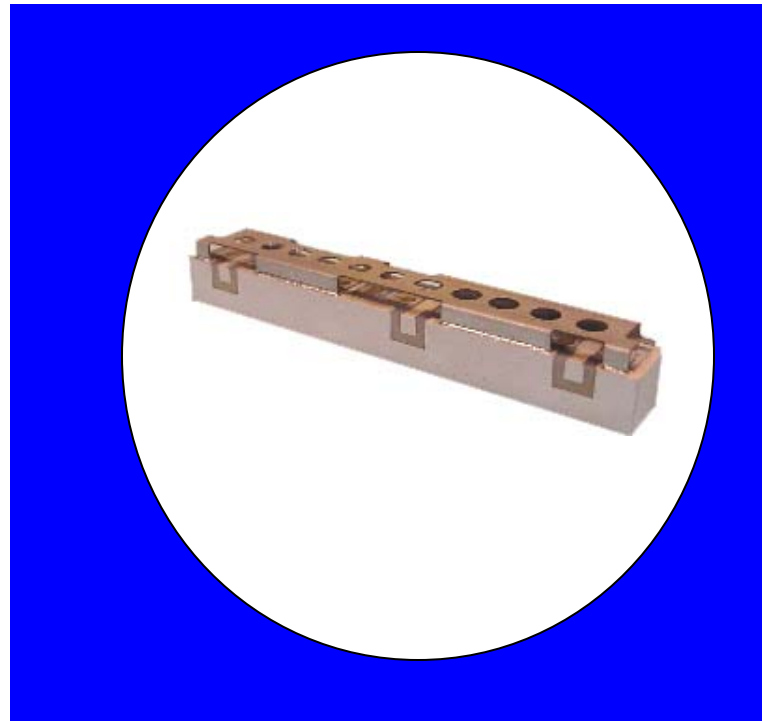
Surface mount, silver (Ag) coated ceramic duplexer. Developed for use in GSM Infrastructure applications.

Weight: Approximately 30.0 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



Low Band Response				
Passband Iloss	746 - 756	-1.60	-1.90	-2.10
Passband Ripple	746 - 756	-0.70	0.90	1.00
Passband Return Loss @ Ant	746 - 756	-14.00	-10.00	-10.00
Passband Return Loss @ Low Band	746 - 756	-14.00	-10.00	-10.00
Attenuation	777 - 787	-35.00	-30.50	-30.50
	700	-22.00	-20.00	-20.00
High Band Response				
Passband Iloss	777 - 787	-1.80	-1.90	-2.10
Passband Ripple	777 - 787	0.70	0.90	1.00
Passband Return Loss @ Ant	777 - 787	-14.00	-10.00	-10.00
Passband Return Loss @ High Band	777 - 787	-14.00	-10.00	-10.00
Attenuation	746 - 756	-62.00	-59.60	-59.60
	820	-30.00	-20.00	-20.00
Power into any port		8 Watt max		

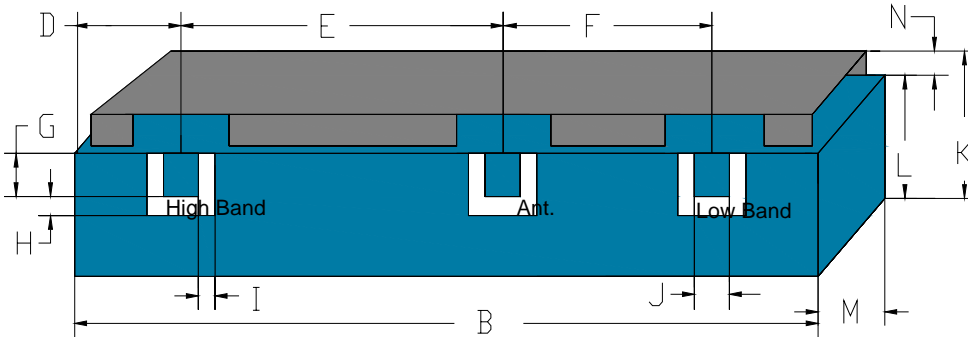
Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

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.

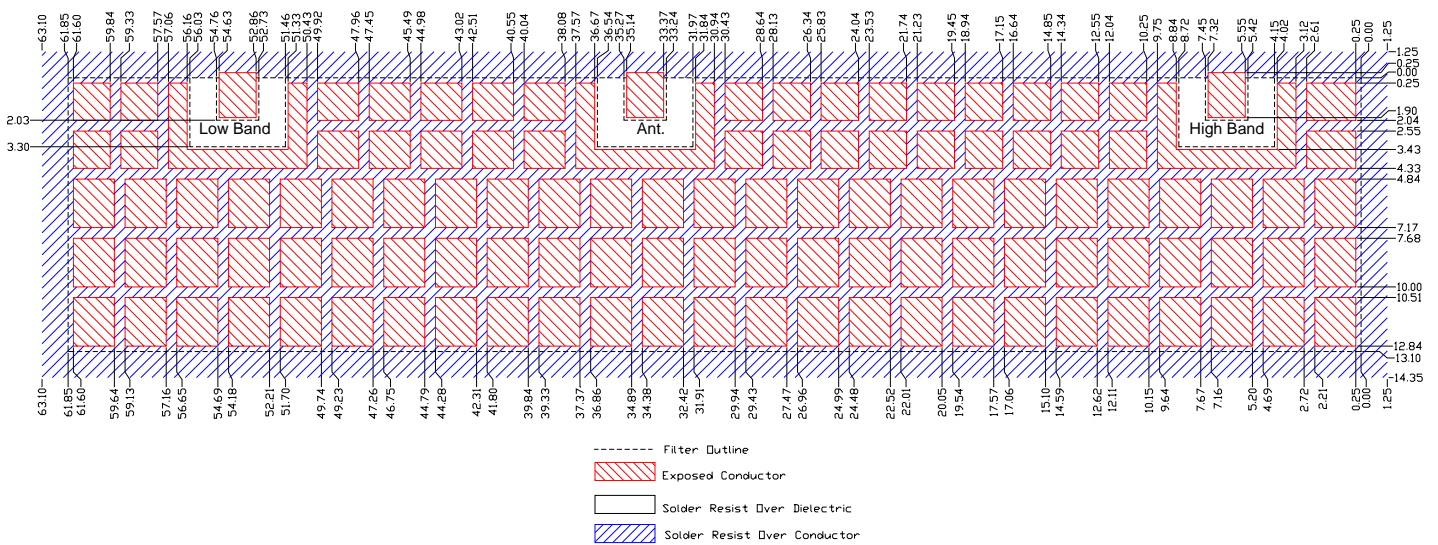
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### Mechanical Drawing



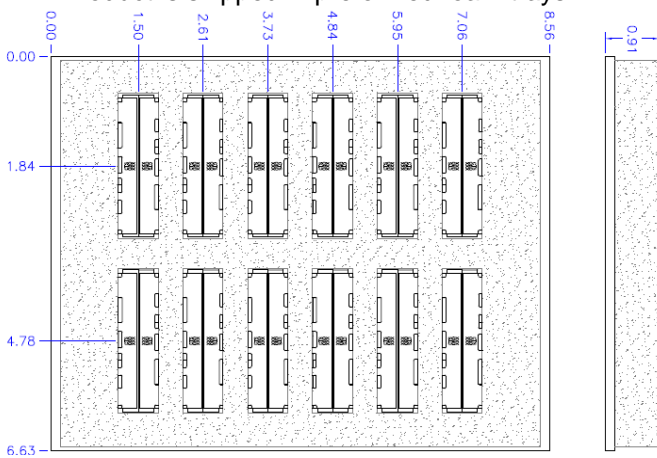
Dim	Nominal (mm)	Tolerance (mm) +/- or max
A		
B	61.85	max
C		
D	6.43	0.25
E	27.82	0.13
F	19.49	0.13
G	2.03	0.13
H	1.27	0.13
I	1.27	0.13
J	2.03	0.13
K	15.69	max
L	13.30	Max
M	8.00	max
N	2.20	0.13

### PCB Layout



### Packaging and Marking

Product is shipped in preformed foam trays



5 Trays containing 12 slots with 2 filters per slot.  
5 Trays per box. Total 120 filters per box

Part Marking: CTS TBD YWW

### Electrical response

