

Features

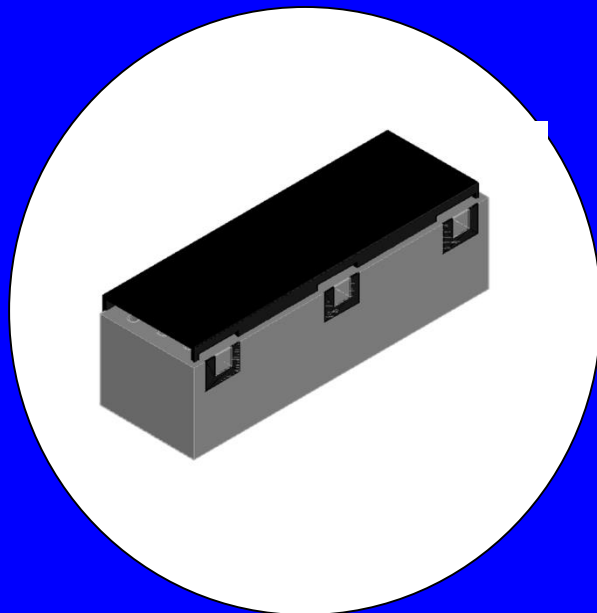
- Low Insertion Loss
- Low Ripple
- Wide passband response

Description

Surface mount, silver (Ag) coated ceramic diplexer. Developed for use in Infrastructure Applications.

Weight: 8.0 grams typical

Filter complies with RoHS standards.



Electrical Specifications

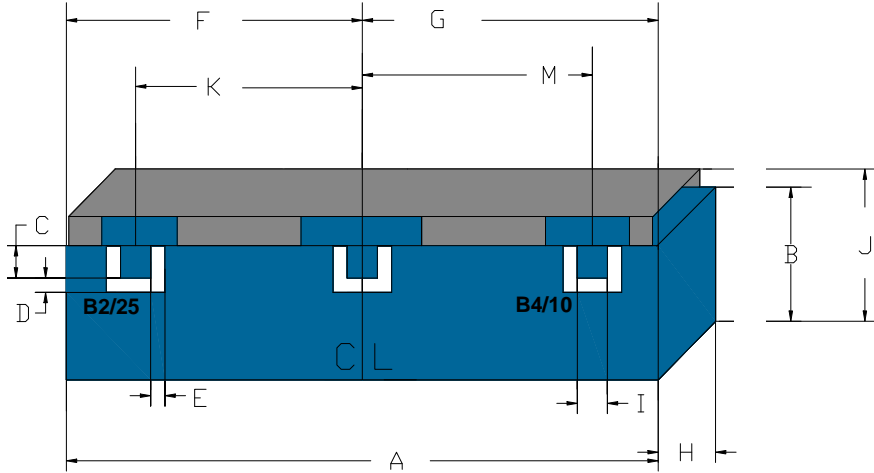
Parameter	Frequency MHz	Typical @ 25°C	Specification @ 25°C	Spec over -40°C to +85°C
Band 10				
Passband 1 Iloss	1710 - 1780	-1.6	-1.8	-2.0
Passband 2 Iloss	2110 - 2180	-1.5	-1.8	-2.0
Passband 1 Return Loss	1710 - 1780	-12.0	-10.0	-10.0
Passband 2 Return Loss	2110 - 2180	-12.0	-10.0	-10.0
Attenuation	1850 - 1995	-30.0	-24.0	-24.0
Band 25				
Passband Iloss	1850 - 1995	-1.5	-1.8	-2.0
Passband Return Loss @ Port 1	1850 - 1995	-12.0	-10.0	-10.0
Attenuation	1710 - 1780	-30.0	-24.0	-24.0
	2110 - 2180	-30.0	-24.0	-24.0
Avg Power into any port	Continuous	3 Watt max		
Peak Power into any port	Peak	20 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

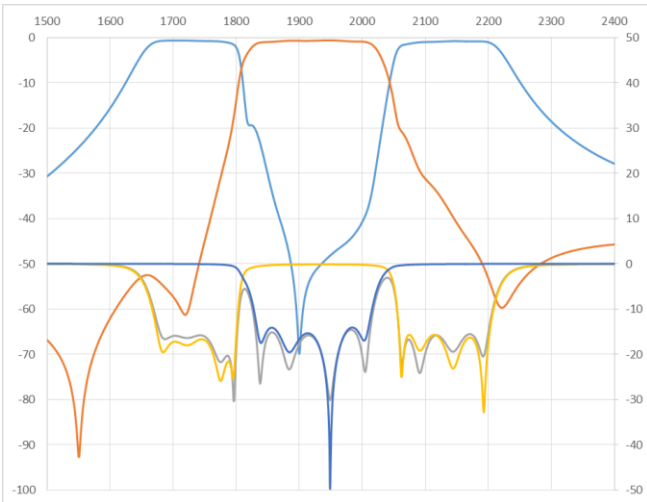
*This product is covered by one or more of the following U.S. and foreign patents including: US 4,692,726;US 4,742,562; US 4,800,348;US 4,829,274;US 5,146,193;EP 0573597;DE 0573597;FR 0573597;JP 508149/92;KR 142171;US 5,162,760;US 5,218,329;US 5,250,916;US 5,327,109;US 5,488,335;CA 2114029;FR 9306297;GB 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.

Mechanical Drawing

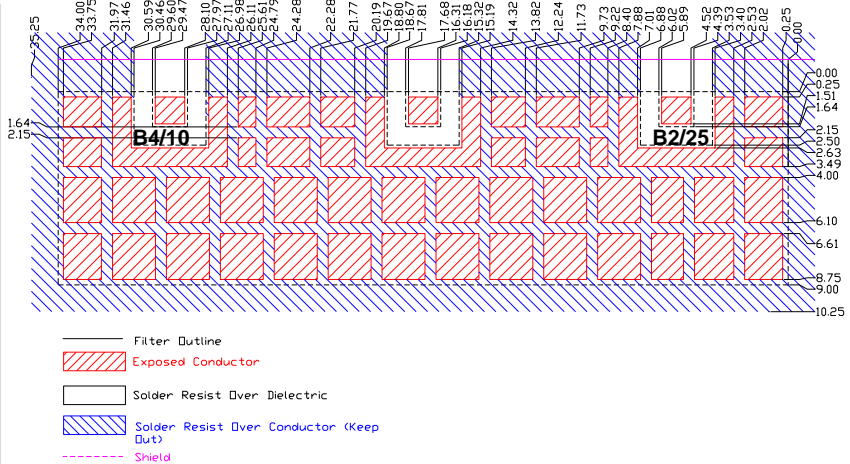


Dimension	Nominal (mm)	Tolerance (mm) +/-
A	29.72	max
B	9.00	max
C	1.63	0.13
D	0.86	0.13
E	0.86	0.13
F	14.73	0.13
G	14.73	0.13
H	9.60	max
I	1.63	0.13
J	10.50	max
K	11.79	0.13
M	11.79	0.13

Electrical Response

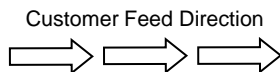


PCB Layout



Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	3.8
REEL QUANTITY	ea.	100



Product Marking

