

Features

- Low loss
- Flat Low Ripple
- High Rejection

Description

Surface mount, silver (Ag) coated ceramic duplexer.

Weight: 3.0 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

Parameter	Frequency (MHz)	Typical @ 25°C	Spec. @ 25°C	Spec. Over -40°C to +85°C
High Band Response (S21)				
Passband Insertion Loss	2110-2170	-1.3	-1.3	-1.5
Passband Ripple	2110-2170	0.7	0.9	1.0
Passband Return Loss @ S22	2110-2170	-13.0	-12.0	-12.0
Passband Return Loss @ ANT	2110-2170	-13.0	-12.0	-12.0
Attenuation:	1920-1980	-67.0	-65.0	-65.0
Low Band Response (S13)				
Passband Insertion Loss	1920-1980	-1.3	-1.4	-1.6
Passband Ripple	1920-1980	0.7	0.9	1.0
Passband Return Loss @ S33	1920-1980	-13.0	-12.0	-12.0
Passband Return Loss @ ANT	1920-1980	-13.0	-12.0	-12.0
Attenuation:	2110-2170	-56.0	-55.0	-55.0
Power into any port		5 Watt max		

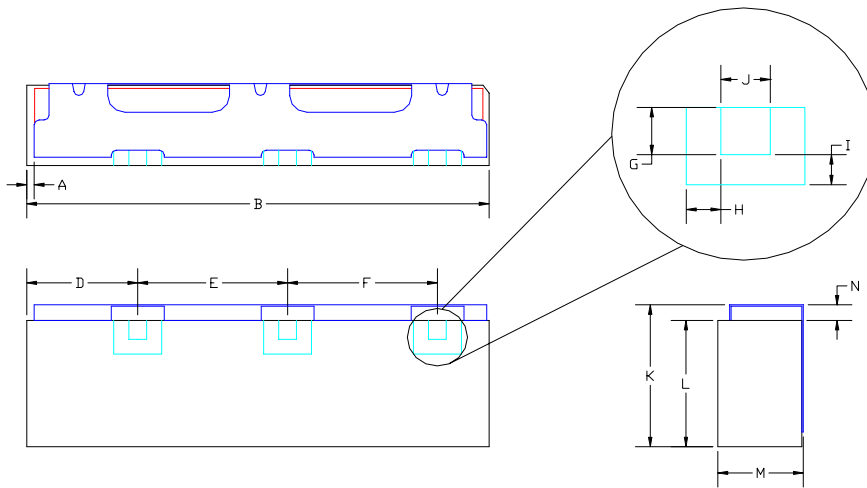
Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

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.

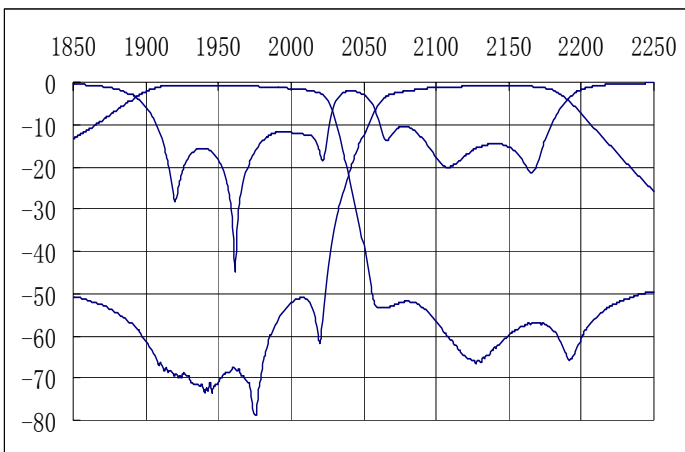
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Mechanical Drawing

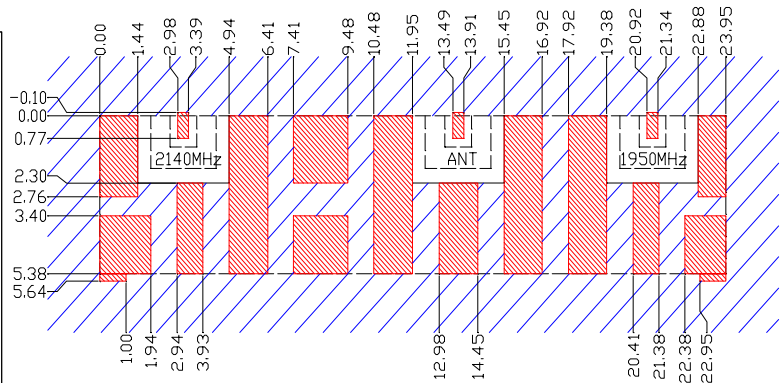


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	0.25	0.25
B	24.04	max
C		
D	2.72	0.25
E	7.44	0.13
F	10.52	0.13
G	1.02	0.13
H	0.79	0.13
I	0.79	0.13
J	0.89	0.13
K	6.75	max
L	5.64	max
M	4.60	max
N	0.84	0.13

Electrical response

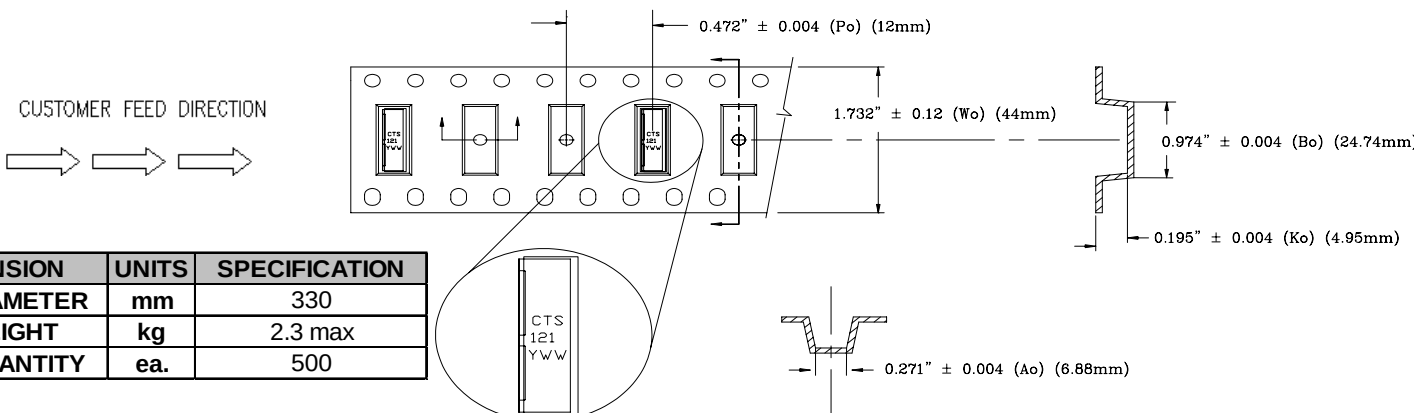


PCB Layout



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

Packaging and Marking



DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	2.3 max
REEL QUANTITY	ea.	500