

Features

- Low Loss
- High Rejection
- Excellent Return Loss

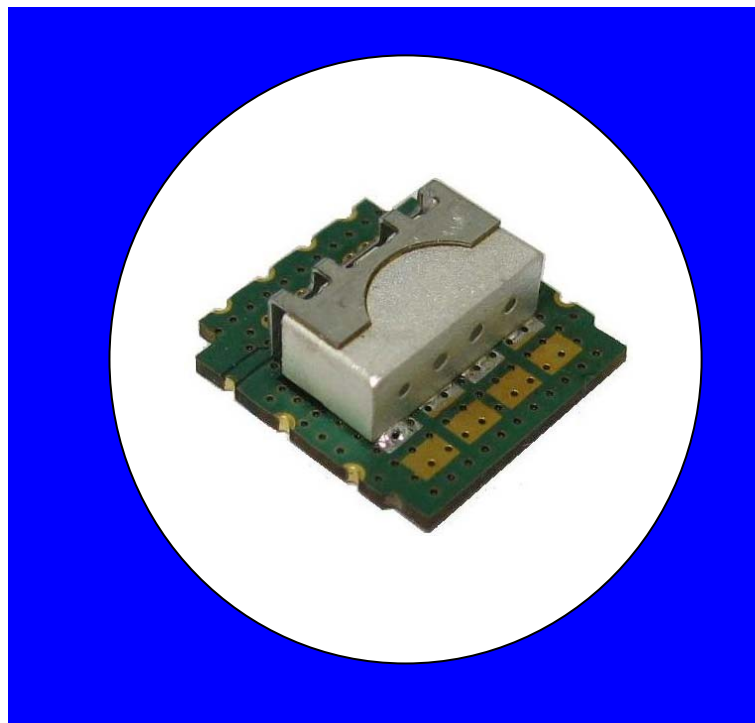
Description

Surface mount, silver (Ag) coated ceramic bandpass filter.

Weight: 1.37 grams typical

Material: Filter is composed of a tin zirconate based ceramic block plated with Ag covered by tin plated cold rolled steel shield mounted on a FR4 PCB.

Filter complies with RoHS standards.



Electrical Specifications

Parameter	Frequency MHz	Typical @ 25°C	Specification @ 25°C	Spec over -35°C to +85°C
Passband 1 lloss	1805 - 1880	-0.8	-1.0	-1.2
Passband 1 Ripple	1805 - 1880	0.3	0.4	0.5
Passband 1 Return Loss @ Port 1	1805 - 1880	-14.0	-11.0	-11.0
Passband 1 Return Loss @ Port 2	1805 - 1880	-14.0	-11.0	-11.0
Passband 2 Ripple	1725 - 1960	1.5	1.6	1.7
Attenuation	1645	-50.0	-41.0	-41.0
	1680	-25.0	-21.0	-21.0
	2360	-28.0	-15.0	-15.0
	2401	-29.0	-20.0	-20.0
Power into any port		1 Watt max		

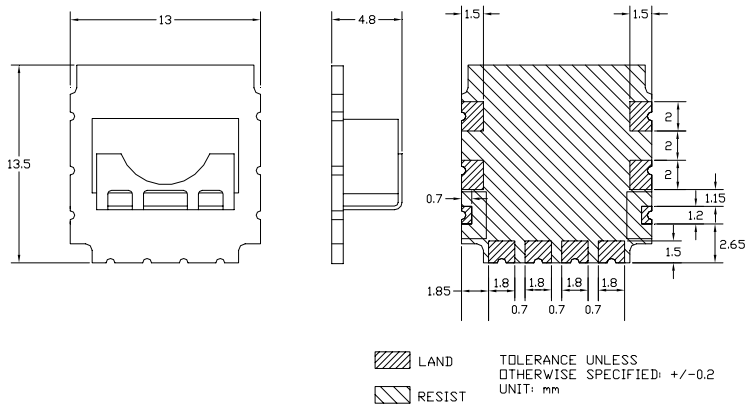
Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

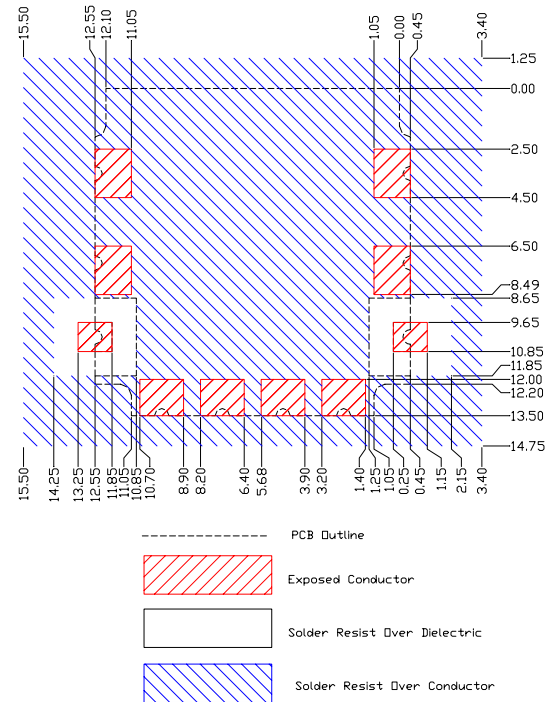
*This product is covered by one or more of the following U.S. and foreign patents including: US 4,692,726;US 4,742,562; US 4,800,348;US 4,829,274;US 5,146,193;EP 0573597;DE 0573597;FR 0573597;JP 508149/92;KR 142171;US 5,162,760;US 5,218,329;US 5,250,916;US 5,327,109;US 5,488,335;CA 2114029;FR 9306297;GB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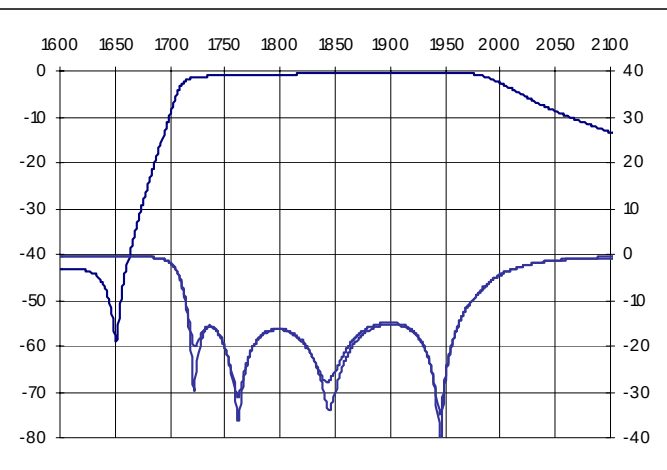
Mechanical Drawing



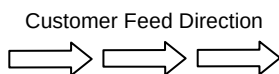
PCB Layout



Electrical response

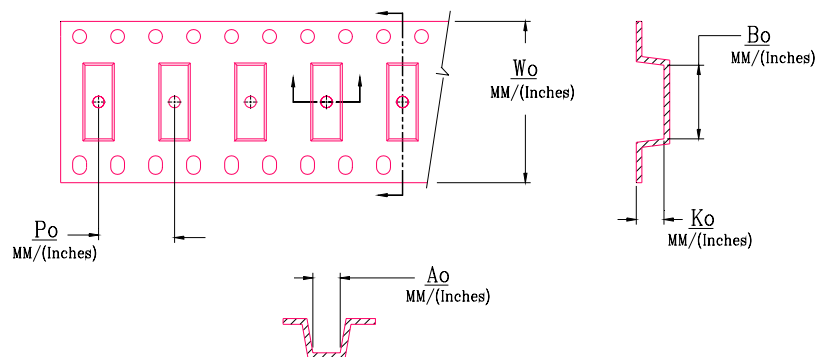


Packaging and Marking



DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	2.3
REEL QUANTITY	ea.	250

CTS
842
YWW



Wo	Ao	Bo	Ko	Po
Inches/mm	Inches/mm	Inches/mm	Inches/mm	Inches/mm
0.945"/24	0.520"/13.2	0.539"/13.7	0.197"/5.0	0.630"/16