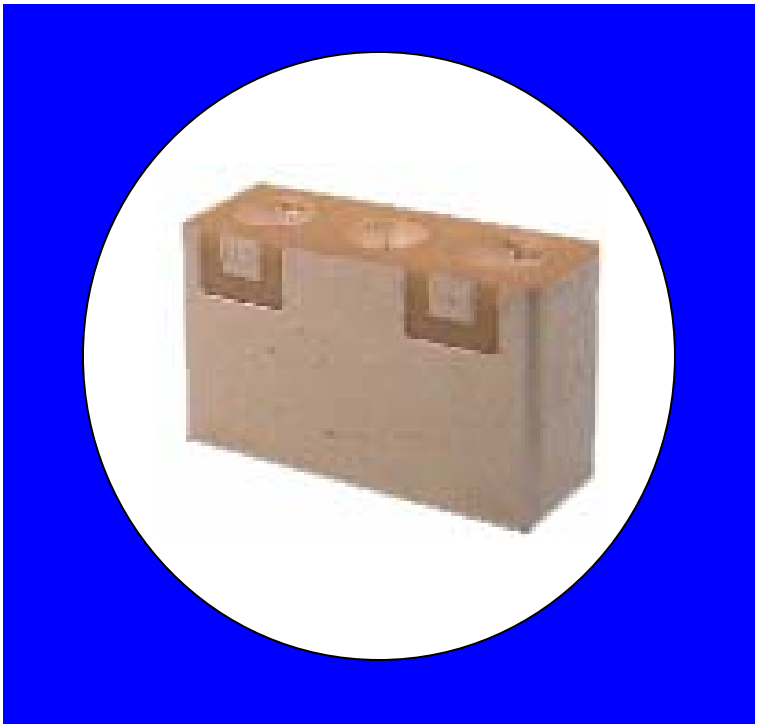
KFF6450A

1643.5 Mhz InMarSat BPF

Rev 1 – Origin Date: July 11, 2005 – Revision Date: September 21, 2007

Features

- Low Loss
- Excellent Low Side Rejection
- Small Size



Description

Surface mount, silver (Ag) coated ceramic filter. Developed for use in InMarSat applications.

Weight: 1.2 grams typical.

Material: Filter is composed of a ceramic block plated with Ag.

Filter complies with RoHS standards.

Electrical Specifications

Parameter	Frequency (MHz)	Typical @ 25ºC	Spec. @ 25ºC	Spec. Over -40ºC to +85ºC
Passband Insertion Loss	1626.5 to 1660.5	1.36 dB	2.2 dB max	2.5 dB max
Passband Ripple	1626.5 to 1660.5	0.4 dB	0.8 dB max	1.0 dB max
Passband Return Loss @ Input	1626.5 to 1660.5	14.0 dB	10.0 dB min	9.5 dB max
Attenuation:	1576.5	38.0 dB	30.5 dB min	30.0 dB max
	1751.5	26.9 dB	24.5 dB min	24.0 dB max
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.

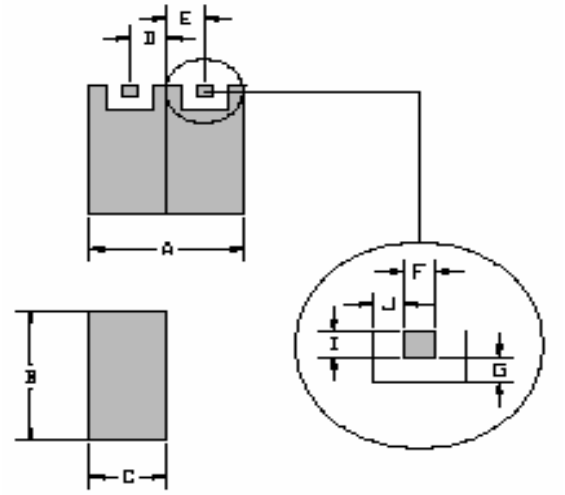
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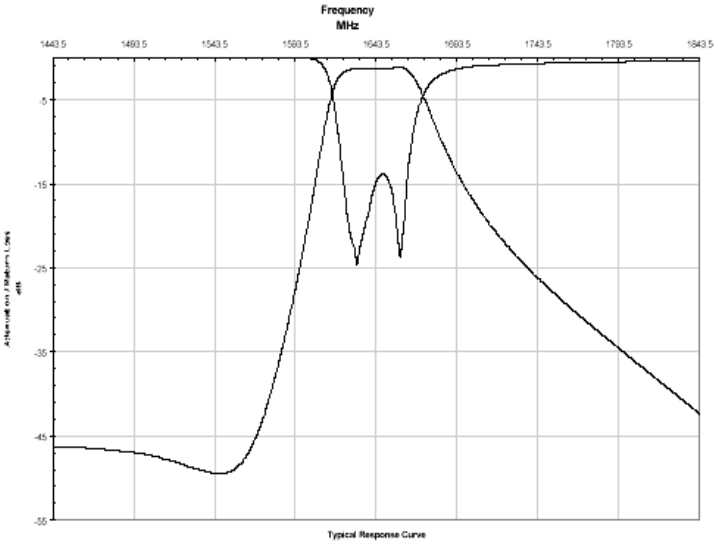
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Mechanical Drawing

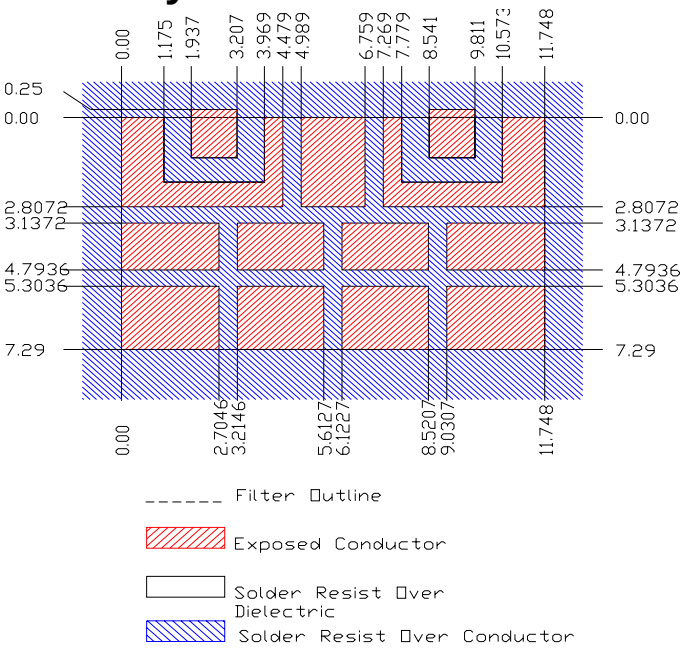


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	11.748	Max
B	7.29	Max
C	4.496	Max
D	3.302	0.13
E	3.302	0.13
F	1.27	0.13
G	0.762	0.13
H		
I	1.27	0.13
J	0.762	0.13

Electrical response



PCB Layout



Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	1.9
REEL QUANTITY	Per reel	800

Customer Feed Direction

