Excellent Integrated System Limited

Stocking Distributor

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CTS Electronic Components
KFF6538A

For any questions, you can email us directly:
sales@integrated-circuit.com

Distributor of CTS Electronic Components: Excellent Integrated System Limited
Datasheet of KFF6538A - CERAMIC FILTER
Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

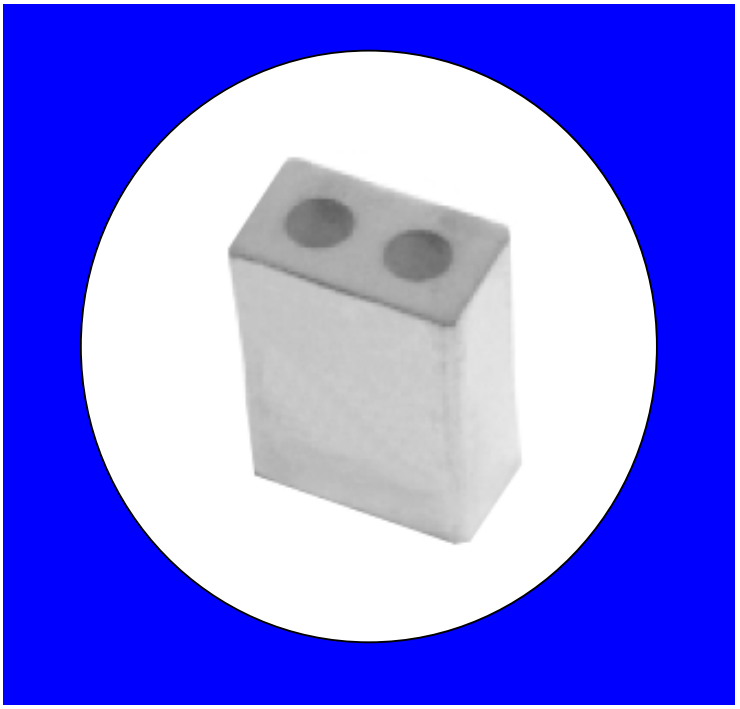
KFF6538A

1227.6 MHz GPS BPF

Rev 0 – Origin Date: July 11, 2005 – Revision Date: July 11, 2005

Features

- Low Loss
- Excellent Return Loss
- Small Size



Description

Surface mount, silver (Ag) coated ceramic filter. Developed for use in military GPS L2 applications.

Weight: 1.32 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
Passband Insertion Loss	1217.6-1237.6	1.1 dB	1.5 dB max
Passband Return Loss	1217.6-1237.6	18.0 dB	10.0 dB min
Attenuation	1087.6	21.0 dB	19.0 dB min
Attenuation	1367.6	36.0 dB	31.0 dB min
Power Rating			1W
Impedance			50 Ω

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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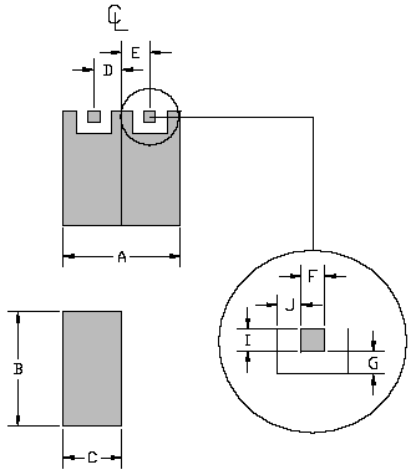
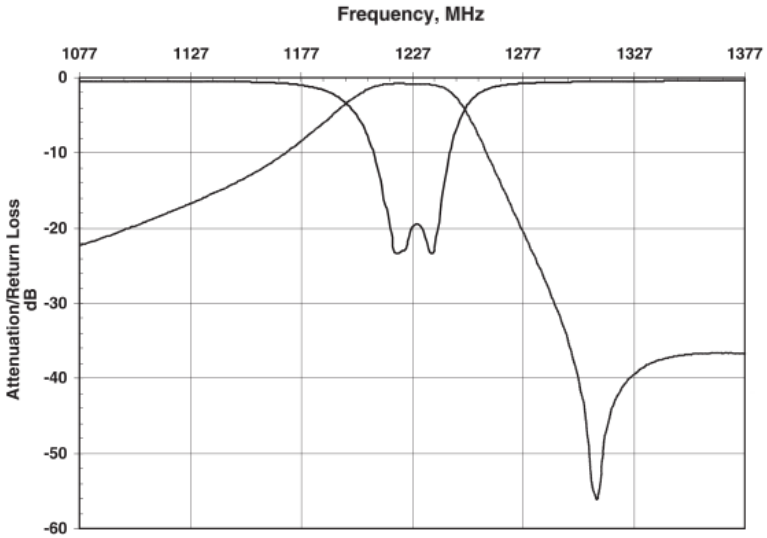
Mechanical Drawing

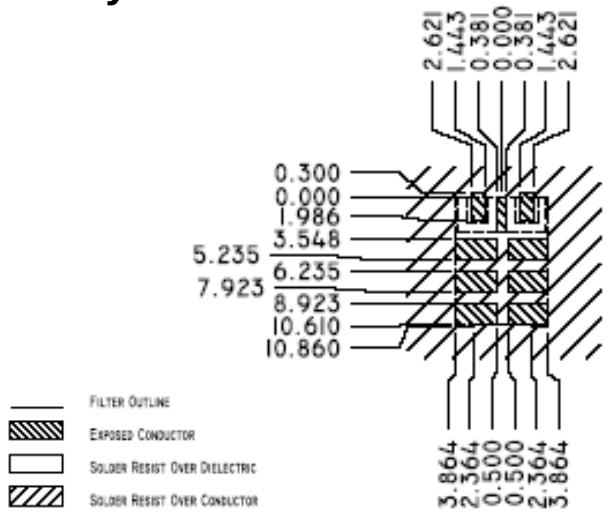


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	7.899	max
B	10.922	max
C	4.496	max
D	2.032	0.127
E	2.032	0.127
F	1.778	0.127
G	0.762	0.127
I	2.286	0.127
J	0.762	0.127

Electrical response



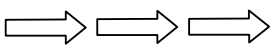
PCB Layout

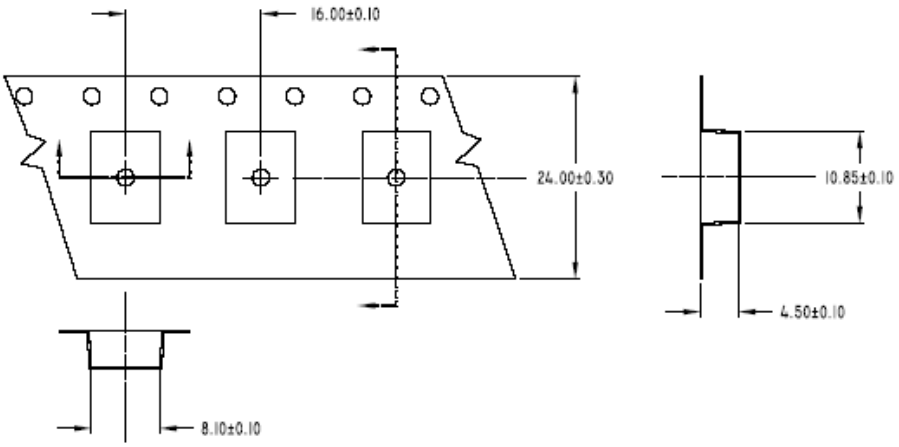


Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	2.0
REEL QUANTITY	Ea.	1000

Customer Feed Direction





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