

Features

- Low Loss
- Low Ripple
- Small Size

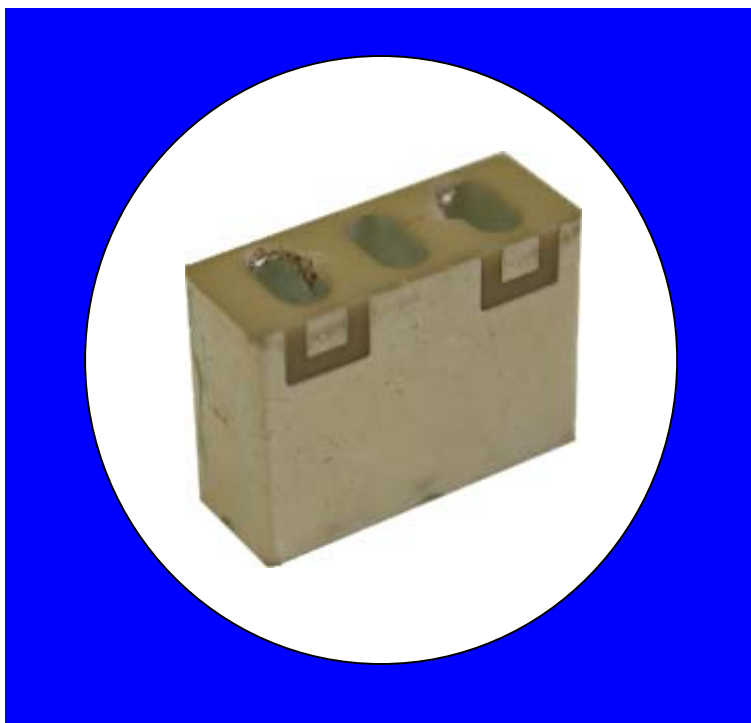
Description

Surface mount, silver (Ag) coated ceramic filter. Developed for use in infrastructure and subscriber InMarSat Applications.

Weight: 2.03 grams typical

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

Filter complies with RoHS standards.



Electrical Specifications

Parameter	Frequency (MHz)	Typical @ 25°C	Spec. @ 25°C	Spec. over -40°C to +85°C
Passband Insertion Loss	1525 – 1559	1.5 dB	2.2 dB max.	2.5 dB max.
Passband Ripple	1525 – 1559	0.26 dB	0.8 dB max.	1.0 dB max.
Passband Return Loss	1525 – 1559	21.7 dB	10.0 dB min.	9.5 dB min.
Attenuation:	1475	17.5 dB	14.5 dB min.	14.0 dB min.
	1626	52.1 dB	24.5 dB min.	24.0 dB min.
	1650 – 1661	39.8 dB	32.5 dB min.	32.0 dB min.
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:

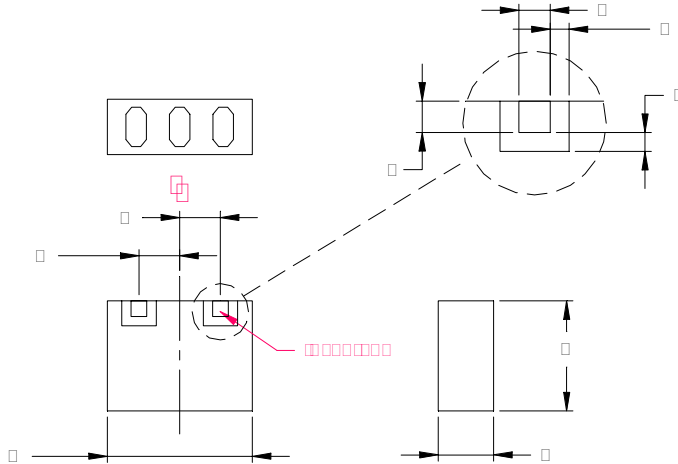
Specification Allowance	
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

*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;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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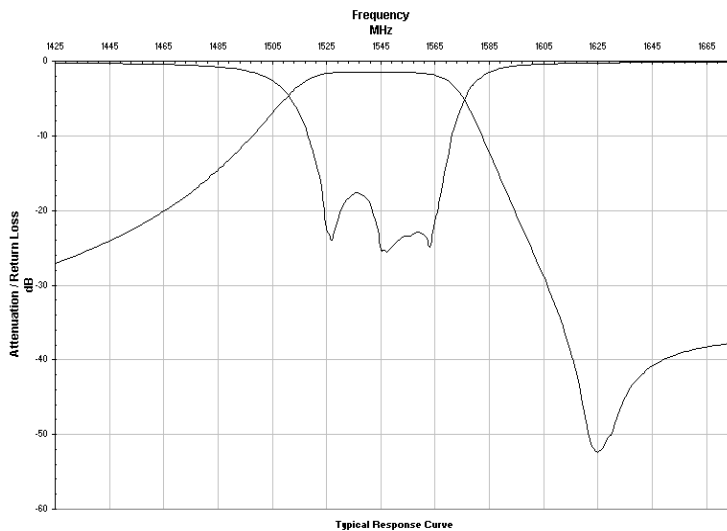
Mechanical Drawing

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

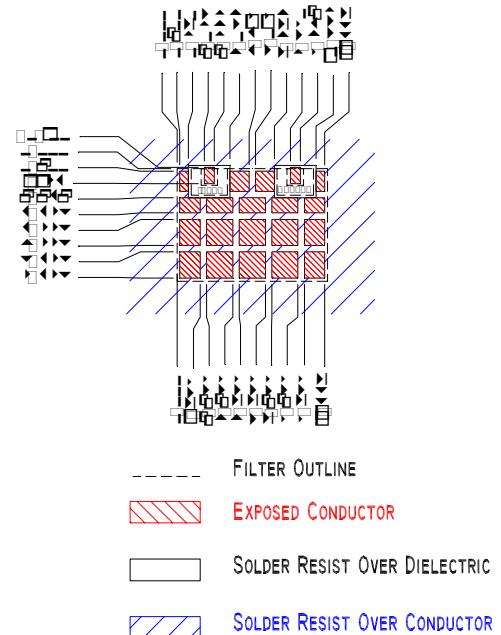


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	11.9	Max
B	8.9	Max
C	4.496	Max
D	3.302	0.127
E	3.302	0.127
F	1.27	0.127
G	0.762	0.127
I	1.27	0.127
J	0.762	0.127

Electrical response

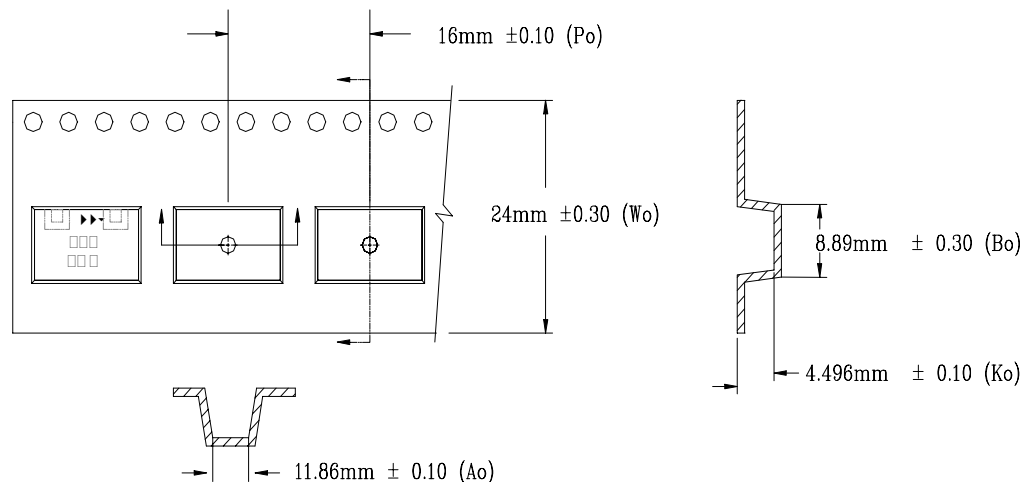
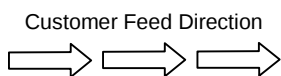


PCB Layout



Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	2.7
REEL QUANTITY	ea.	800 max.



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