



KFF6514A

1542 MHz InMarSat/GPS BPF

Features

- Extended Pass Band
- Low Loss
- High Rejection

Description

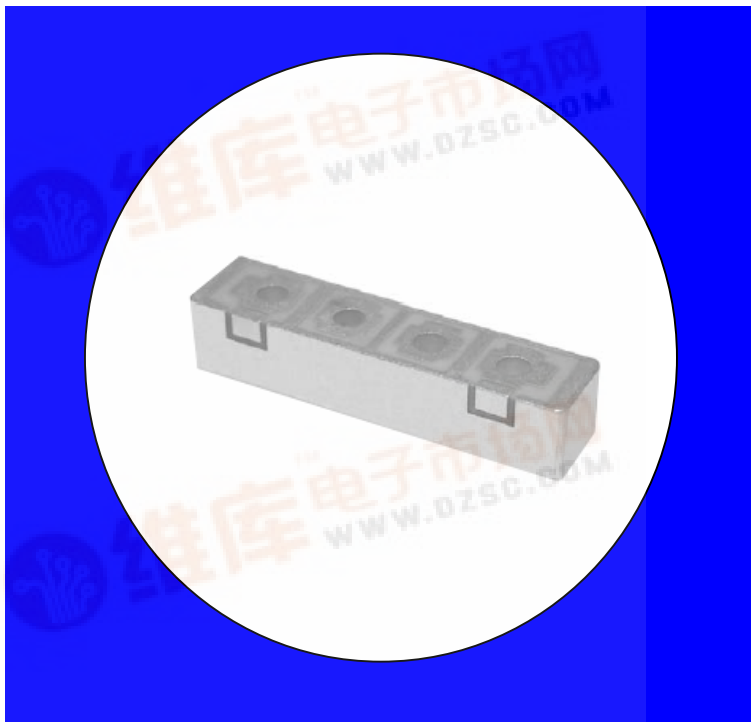
Surface mount, silver (Ag) coated ceramic filter. Developed for use in InMarSat infrastructure and subscriber applications.

Weight: 6.97 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
Insertion Loss (PB1)	1525-1559	0.8 dB	1.0 dB max
Insertion Loss (PB2)	1559-1577	1.3 dB	1.7 dB max
Forward Return Loss	1525-1559	13.0 dB	12.0 dB min
Attenuation	1460	26.5 dB	25.0 dB min
Attenuation	1625	26.5 dB	25.0 dB min
Attenuation	1710	50.0 dB	40.0 dB min
Power Rating			1W
Impedance			50 Ω

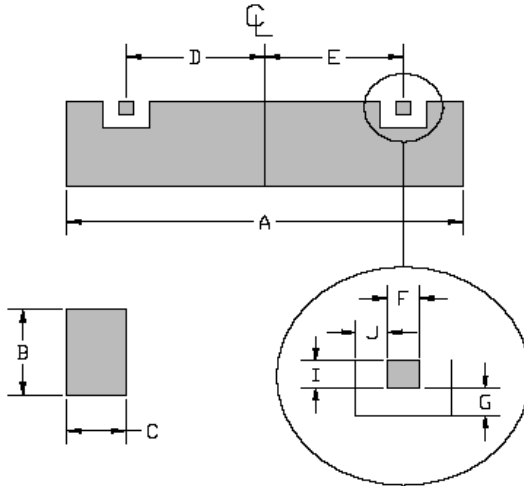
Note: Supplier shall test each filter to the critical electrical specifications of the above table. Any subsequent audits may deviate from in value due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:

Specification Allowance

Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

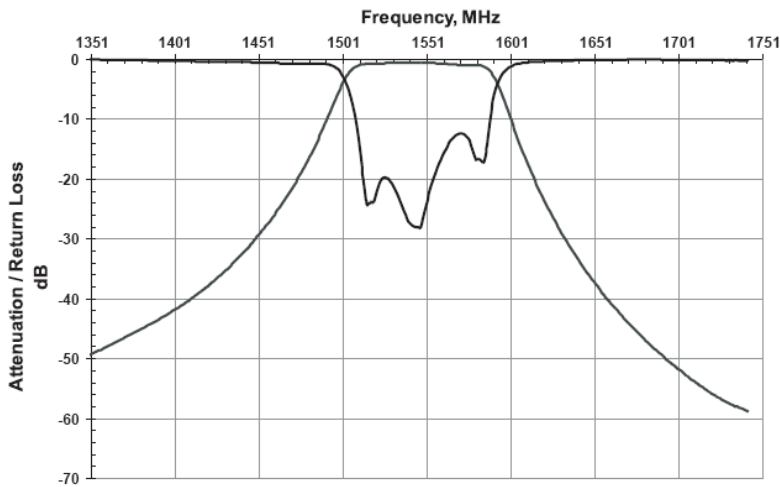


Mechanical Drawing

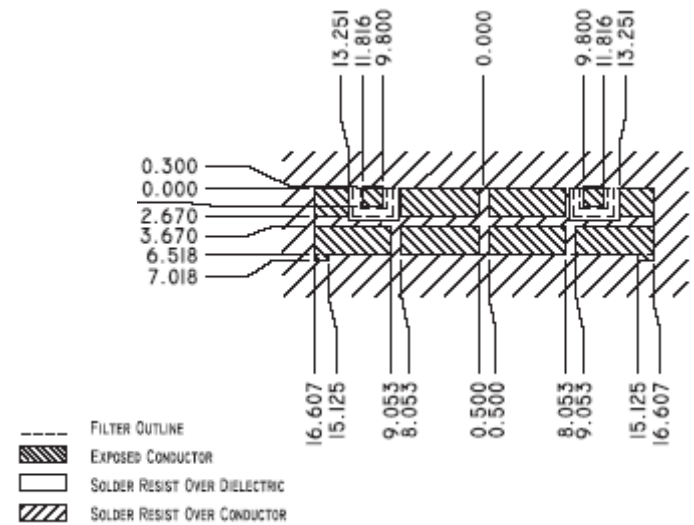


Dim	Nominal (mm)	Tolerance (mm) +/- or max
A	33.58	max
B	6.68	max
C	7.85	max
D	10.81	0.127
E	10.81	0.127
F	2.62	0.127
G	0.635	0.127
H		
I	2.032	0.127
J	0.635	0.127

Electrical response



PCB Layout



Packaging and Marking

DIMENSION	UNITS	SPECIFICATION
REEL DIAMETER	mm	330
REEL WEIGHT	kg	2.25
REEL QUANTITY	ea.	250

