Ceramic Monoblock Bandpass Filter

CTS WIRELESS COMPONENTS

Model KFF6241A Technical Data

Features:

- Small Size
- High Performance
- SMD

Description and Applications:

This 4 pole monoblock filter is primarily designed for INMARSAT applications in the radionavigation band at 1544.5 MHz.

Electrical Specifications

Parameters	Frequency	Specifications @ 25° C
Insertion Loss	1530 MHz to 1559 MHz	1.5 dB max.
Forward Return Loss	1530 MHz to 1559 MHz	12.0 dB min.
Attenuation	1626.5 MHz	25.0 dB min.
Attenuation	1710 MHz	40.0 dB min.
Power Rating		1W
Impedance		50Ω

NOTE: Supplier shall test each filter to the critical electrical specifications listed above or better. Any subsequent audits may deviate due to measurement repeatability among different test systems. Such deviations shall not exceed the following limits:
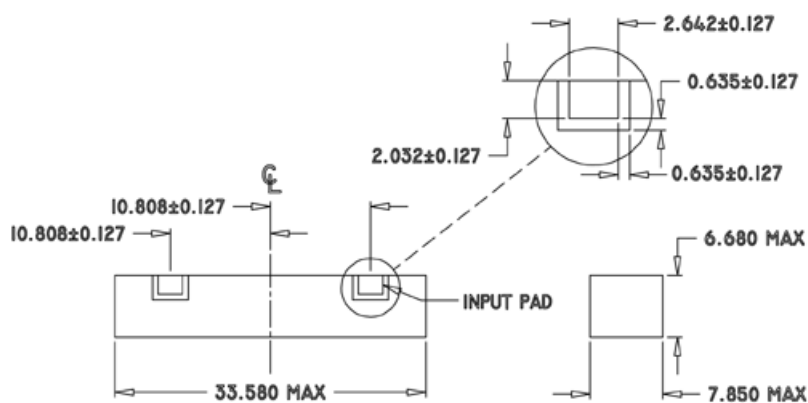
Specification	Typical Allowance
Insertion Loss	0.1dB
Return Loss	1.0dB
Stopbands	1.0dB

Rev. 1

![CTS WIRELESS COMPONENTS logo]

Typical Response Curve
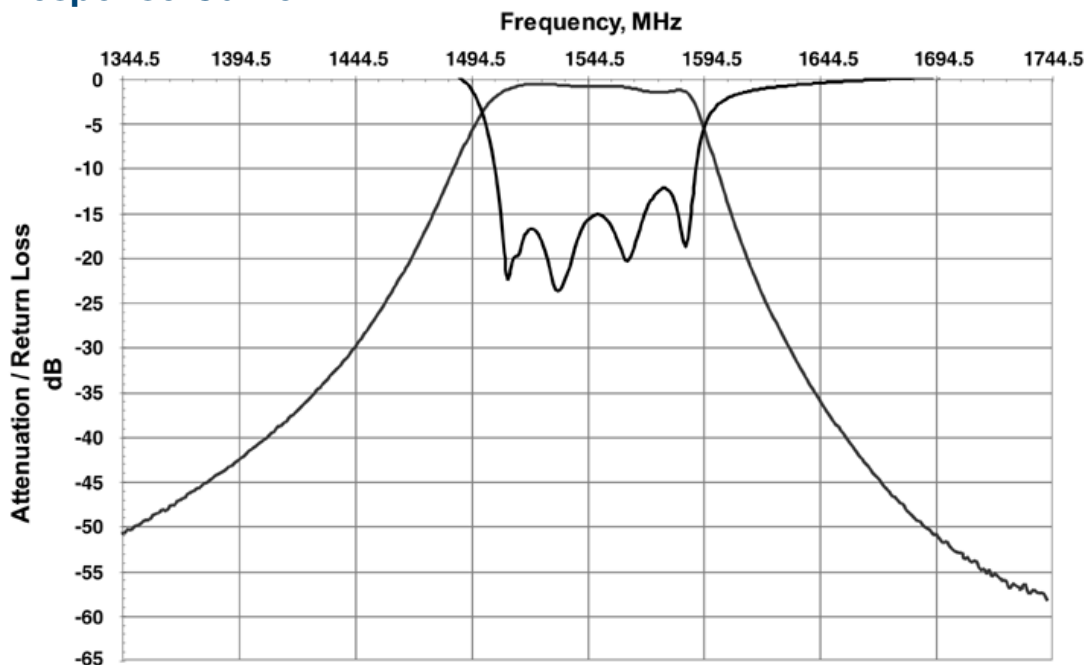
Mechanical Dimensions

ALL DIMENSIONS IN MM.

PC Board Layout
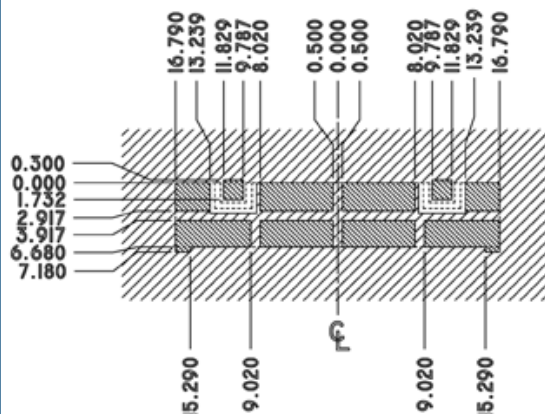
	NOTES:
FILTER OUTLINE	1. NO CONDUCTOR BENEATH I/O GAP.
EXPOSED CONDUCTOR	2. I/O PADS 0.3 MM SMALLER THAN FILTER PADS.
SOLDER RESIST OVER DIELECTRIC	3. I/O GAPS 0.5 MM LARGER THAN FILTER GAPS.
SOLDER RESIST OVER CONDUCTOR	4. EXPOSED CONDUCTOR PADS ALIGN TO EDGE OF FILTER.

Part Marking

Y = LAST DIGIT OF YEAR
WW = SEQUENTIAL WEEK NUMBER
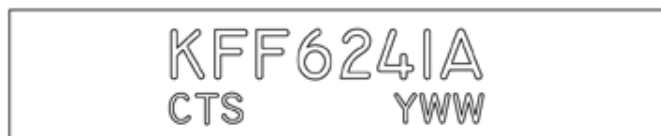
Packaging
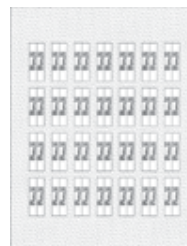
Contact Information:

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