

# Ceramic Monoblock Bandpass Filter



# Model KFF6450A Technical Data

## Features:

- Small Size
- High Performance
- SMD

## Description and Applications:

This monoblock filter is primarily designed for Inmarsat applications at 1643.5 MHz.



## Electrical Specifications

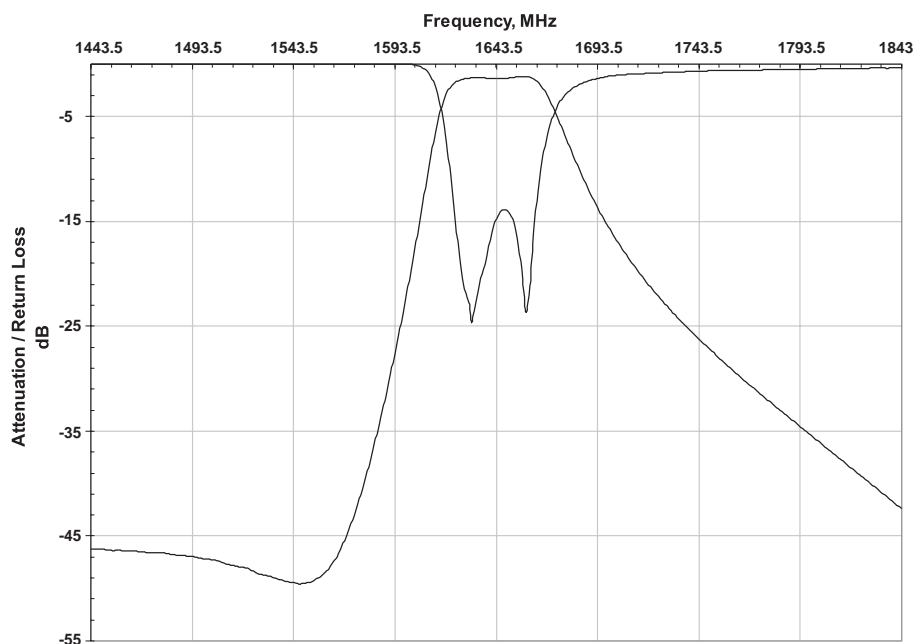
Parameters	Frequency	Specifications @ 25° C
Insertion Loss	1626.5 MHz to 1660.5 MHz	2.2 dB max.
Forward Return Loss		10.0 dB min.
Attenuation	1576.5 MHz	30.5 dB min.
Attenuation	1751.5 MHz	24.5 dB min.
Power Rating		1W
Impedance		50Ω

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:

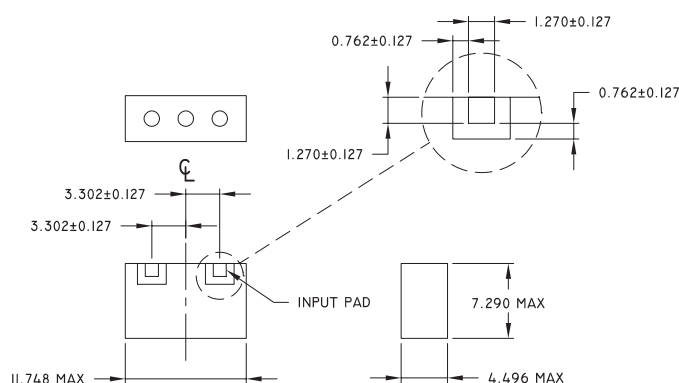
Specification	Typical Allowance
Insertion Loss	0.1dB
Return Loss	1.0dB
Stopbands	1.0dB

Rev. 0

### Typical Response Curve

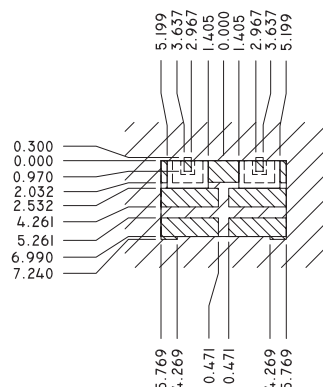


### Mechanical Dimensions



ALL DIMENSIONS IN MM.

### PC Board Layout



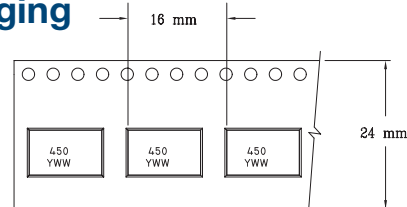
- FILTER OUTLINE
- EXPOSED CONDUCTOR
- SOLDER RESIST OVER DIELECTRIC
- SOLDER RESIST OVER CONDUCTOR
- NOTES:
1. NO CONDUCTOR BENEATH I/O GAP.
  2. I/O PADS 0.3 MM SMALLER THAN FILTER PADS.
  3. I/O GAPS 0.5 MM LARGER THAN FILTER GAPS.
  4. EXPOSED CONDUCTOR PADS ALIGN TO EDGE OF FILTER.

### Part Marking

Y = LAST DIGIT OF YEAR  
WW = SEQUENTIAL WEEK NUMBER



### Packaging



THIS PRODUCT IS SHIPPED IN REELED TAPES.  
800 PCS MAXIMUM PER REEL.  
6 LBS MAXIMUM WEIGHT PER REEL.

### Contact Information:

CTS WIRELESS COMPONENTS, INC. / 171 Covington Drive / Bloomingdale, IL 60108  
PHONE: (800) 757-6686 / [www.ctscorp.com](http://www.ctscorp.com)

Document Control #6287101Y01 Rev. 0

Date of Origin 12/05/01

Date of Revision 12/05/01

THIS DATA SHEET IS NOT AN OFFER FOR SALE AND SHALL NOT OBLIGATE CTS TO SELL THE PRODUCTS DESCRIBED HEREIN OR ANY OTHER PRODUCTS. CTS MAY, IN ITS SOLE DISCRETION, MODIFY OR DISCONTINUE THE SALE OF ITS PRODUCTS AT ANY TIME WITHOUT NOTICE. CTS MAKES NO WARRANTY, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WITH RESPECT TO THE PRODUCTS REFERENCED OR INFORMATION PROVIDED HEREIN.

CTS® is a registered trademark of CTS Corporation.