

# Ceramic Monoblock Bandpass Filter



WIRELESS COMPONENTS

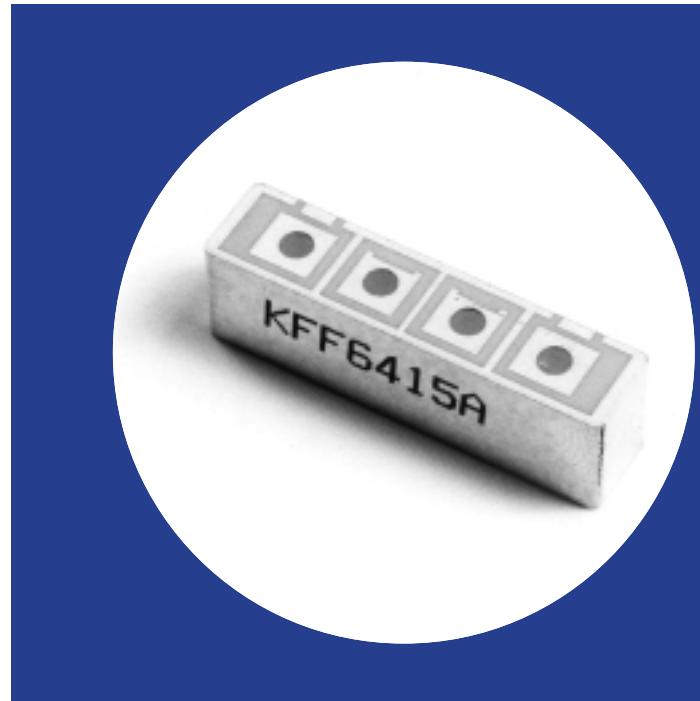
# Model KFF6415A Technical Data

## Features:

- Small Size
- High Performance
- SMD

## Description and Applications:

This monoblock filter is suitable for aeronautical radionavigation applications at 1090 MHz, primarily TCAS.



## Electrical Specifications

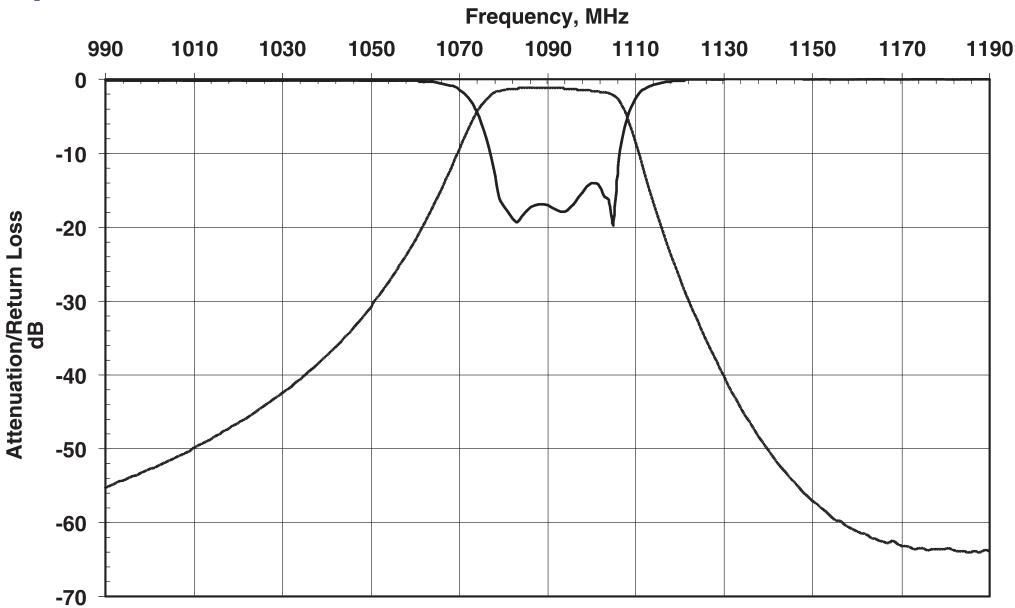
Parameters	Frequency	Specifications @ 25° C
Insertion Loss	1087 MHz to 1093 MHz	2.0 dB max.
Forward Return Loss		12.0 dB min.
Attenuation	970 MHz	55.0 dB min.
Attenuation	1060 MHz	20.0 dB min.
Attenuation	1120 MHz	20.0 dB min.
Attenuation	1210 MHz	55.0 dB min.
Power Rating		1 W
Impedance		50 Ω

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:

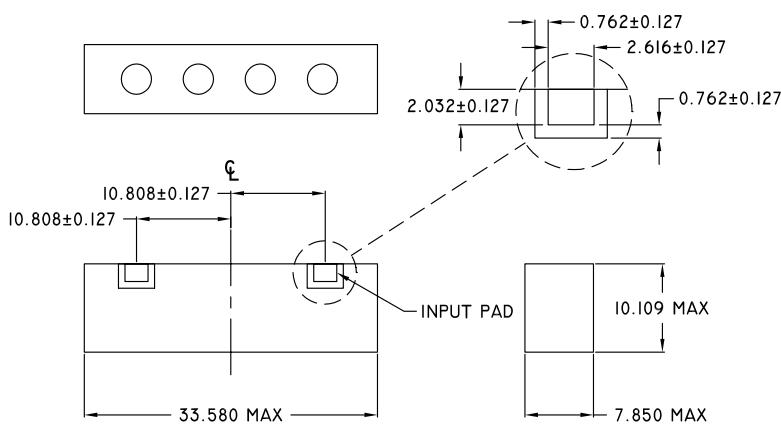
Specification	Typical Allowance
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

Rev. 2

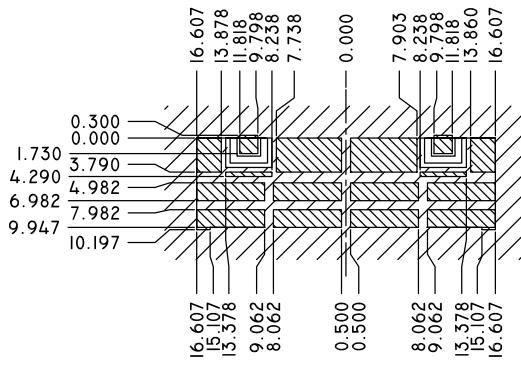
## Typical Response Curve



## Mechanical Dimensions



## PC Board Layout



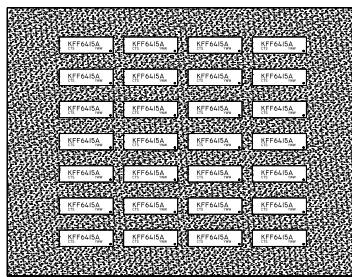
FILTER OUTLINE	NOTES:
EXPOSED CONDUCTOR	1. No com.
SOLDER RESIST OVER DIELECTRIC	2. I/O pads
SOLDER RESIST OVER CONDUCTOR	3. I/O ground

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.

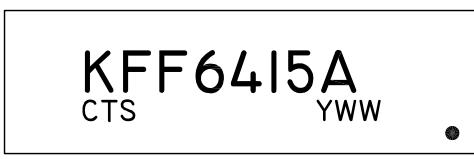
## Packaging

This product is shipped in pre-formed foam trays.



## Part Marking

Y = LAST DIGIT OF YEAR  
WW = SEQUENTIAL WEEK NUMBER



## Contact Information:

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