

# Ceramic Monoblock Duplex Filter



# Model KFF6675A Technical Data

## Features:

- Small Size
- High Performance
- SMD

## Description and Applications:

This monoblock Duplexer filter is primarily designed for US PCS CDMA applications at 1850-1990 MHz.



## Electrical Specifications

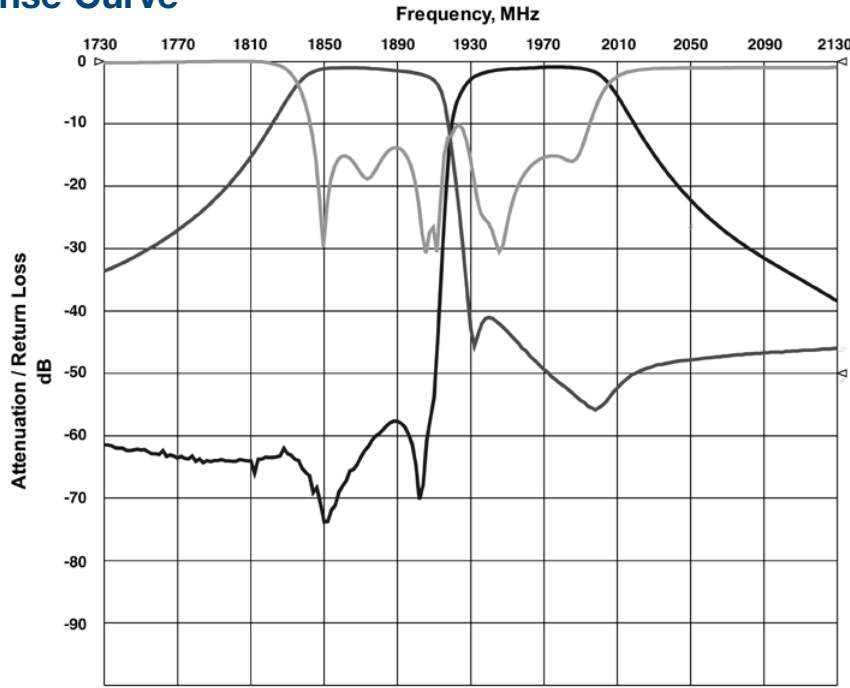
<b>TX to Antenna Response</b>	<b>Frequency</b>	<b>Specifications @ 25° C</b>
Insertion Loss	1850 MHz to 1910 MHz	3.5 dB max.
Return Loss @ TX		10.0 dB min.
Return Loss @ ANT		10.0 dB min.
Attenuation	1930 MHz to 1990 MHz	38.0 dB min.
<b>Antenna to RX Response</b>	<b>Frequency</b>	<b>Specifications @ 25° C</b>
Insertion Loss	1930 MHz to 1990 MHz	3.4 dB max.
Return Loss @ RX		10.0 dB min.
Return Loss @ ANT		10.0 dB min.
Attenuation	1850 MHz to 1910 MHz	50.0 dB min.
<b>TX to RX Response</b>	<b>Frequency</b>	<b>Specifications @ 25° C</b>
Rejection @ TX band	1850 MHz to 1910 MHz	53.0 dB min.
Rejection @ RX band	1930 MHz to 1990 MHz	42.0 dB min.
Power Rating		3W
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:

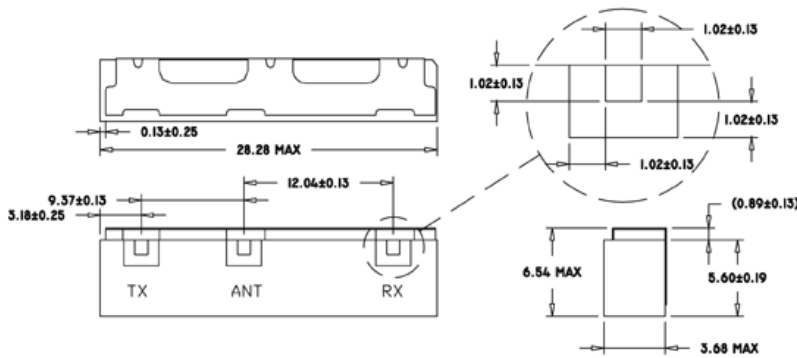
<b>Specification</b>	<b>Typical Allowance</b>
Insertion Loss	0.1dB
Return Loss	1.0dB
Stopbands	1.0dB

Rev. 1

**Typical Response Curve**

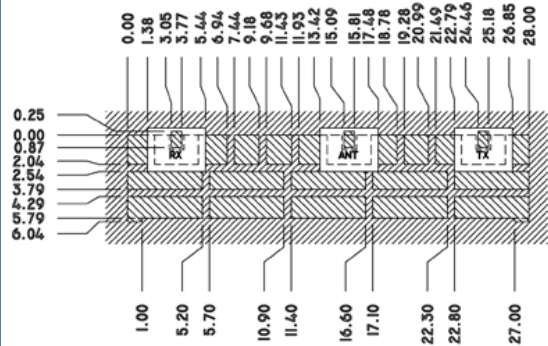


**Mechanical Dimensions**



ALL DIMENSIONS IN MM.

**PC Board Layout**

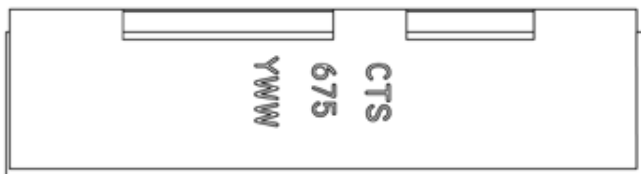


DIMENSIONS ARE IN MM. TOLERANCES = ±0.15

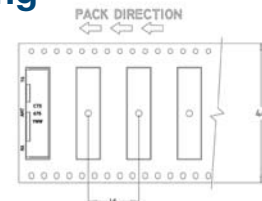
- FILTER OUTLINE  
 [Hatched] EXPOSED CONDUCTOR  
 [White] SOLDER RESIST OVER DIELECTRIC  
 [Hatched] SOLDER RESIST OVER CONDUCTOR
- NOTES:  
 1. NO CONDUCTOR BENEATH I/O GAP.  
 2. I/O PADS 0.3 MM SMALLER THAN FILTER PADS.  
 3. I/O GAPS 0.5 MM LARGER THAN FILTER GAPS.  
 4. EXPOSED CONDUCTOR PADS ALIGN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

**Part Marking**

Y = LAST DIGIT OF YEAR  
 WW = SEQUENTIAL WEEK NUMBER



**Packaging**



REEL QUANTITY: 500 MAX.  
 REEL WEIGHT: 4.5 LB MAX.  
 REEL DIAMETER: 350 MM

**Contact Information:**

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Document Control #6287099Y01 Rev 1  
 Date of Origin 09/06/01  
 Date of Revision 09/06/01

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