# **Ceramic Monoblock Duplex Filter**



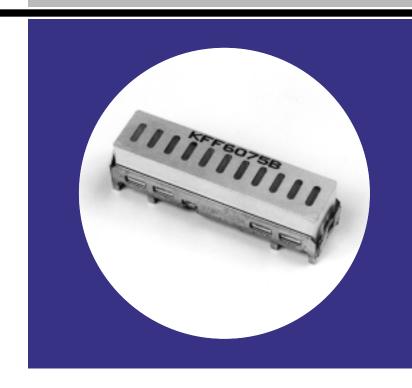
# Model KFF6075B Technical Data

# **Features:**

- High Power
- Exceptional Performance
- Rugged Bracket Mounting

# **Description and Applications:**

A high power duplexer suitable for mobile applications in the 800MHz cellular band.



# **Electrical Specifications**

Antenna to TX Response	Frequency	Specifications @ 25° C
Insertion Loss	824 MHz to 849 MHz	2.5 dB max.
Return Loss		9.5 dB min.
Attenuation	869 MHz to 894 MHz	60 dB min.
Antenna to RX Response	Frequency	Specifications @ 25° C
Insertion Loss	869 MHz to 894 MHz	2.5 dB max.
Return Loss		7.5 dB min.
Attenuation	824 MHz to 849 MHz	65 dB min.
Power Rating		5 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
 Allowance

 Insertion Loss
 0.1 dB

 Return Loss
 1.0 dB

 Stopbands
 1.0 dB

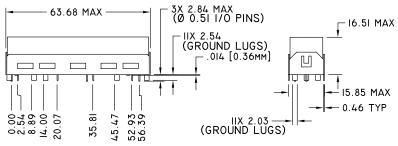
Rev. 1

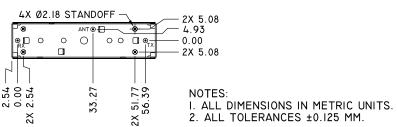


## **Typical Response Curve**

#### Frequency, MHz 675 725 775 825 875 925 975 1025 0 -10 -20 Attenuation/Return Loss dB -30 -40 -50 -60 -70 -80 -90 -100

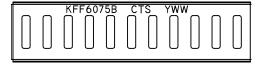
### **Mechanical Dimensions**



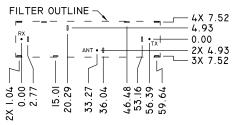


# **Part Marking**

Y = LAST DIGIT OF YEAR WW = SEQUENTIAL WEEK NUMBER



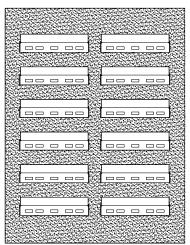
# **PC Board Layout**



VIEW LOOKING DOWN ON FILTER TO PC BOARD ALL DIMENSIONS NOMINAL

# **Packaging**

This product is shipped in pre-formed foam trays.



# **Contact Information:**

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