

# Ceramic Monoblock Duplex Filter

**CTS**

WIRELESS COMPONENTS

# Model KFF6614A Technical Data

## Features:

- Small Size
- High Performance
- SMD

## Description and Applications:

This monoblock Duplexer filter is primarily designed for Korea PCS applications with 30 MHz RX and TX Passbands.



## Electrical Specifications

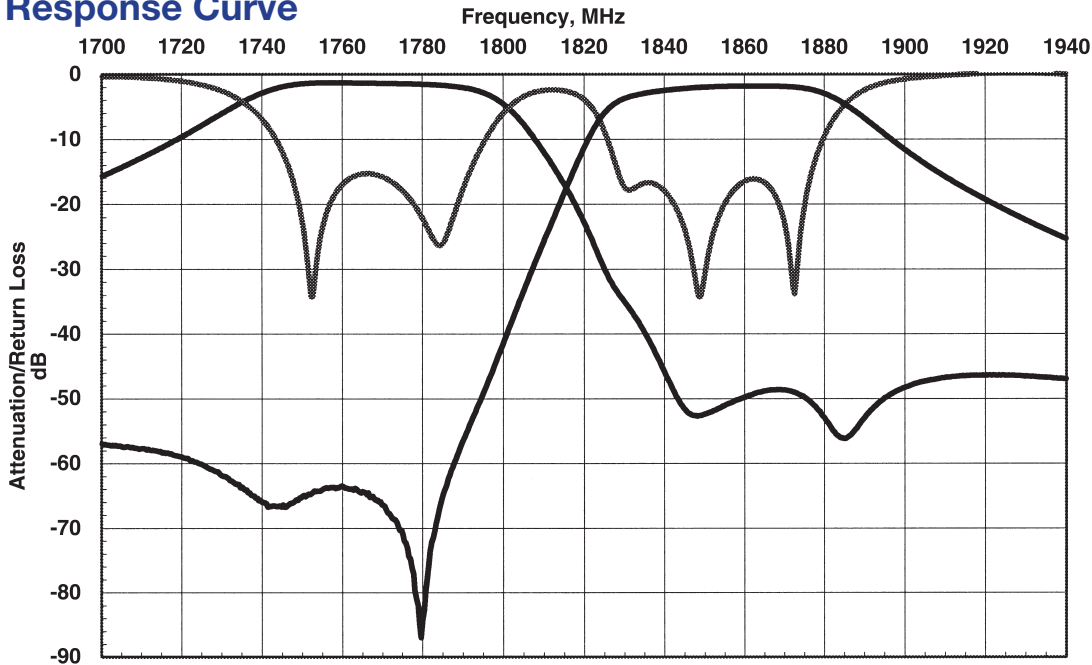
Antenna to TX Response	Frequency	Specifications @ 25° C
Insertion Loss	1750 MHz to 1780 MHz	2.0 dB max.
Return Loss		15.0 dB min.
Rejection @ RX Band	1840 MHz to 1870 MHz	40.0 dB min.
Antenna to RX Response	Frequency	Specifications @ 25° C
Insertion Loss	1840 MHz to 1870 MHz	3.0 dB max.
Return Loss		14.0 dB min.
Rejection @ TX Band	1750 MHz to 1780 MHz	55.0 dB min.
TX to RX Response	Frequency	Specifications @ 25° C
Rejection @ TX Band	1750 MHz to 1780 MHz	56.0 dB min.
Rejection @ RX Band	1840 MHz to 1870 MHz	41.0 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:

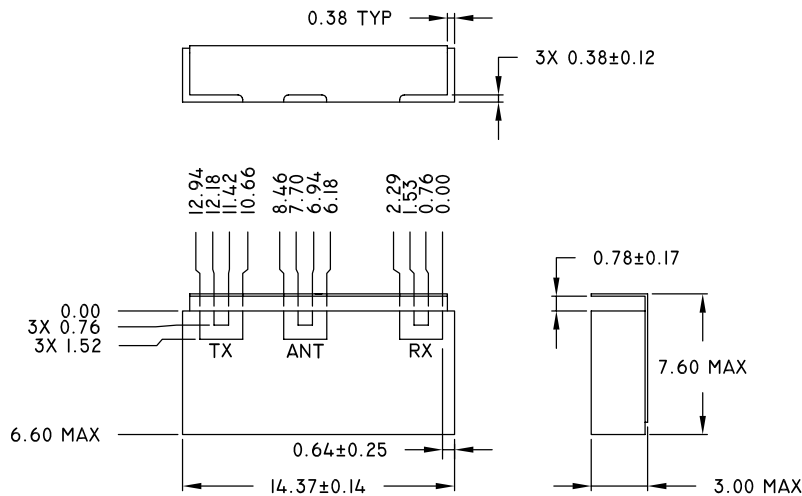
Specification	Typical Allowance
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

Rev. 1

### Typical Response Curve

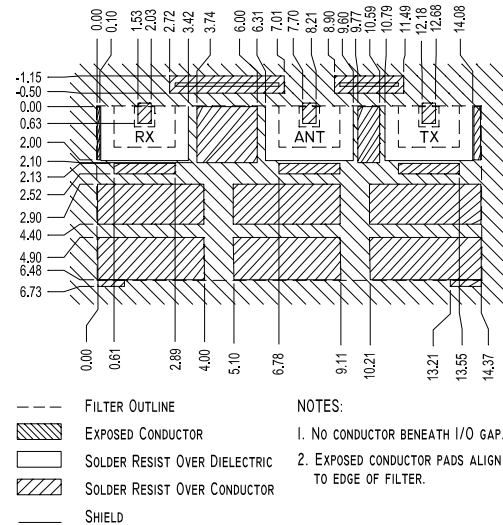


### Mechanical Dimensions



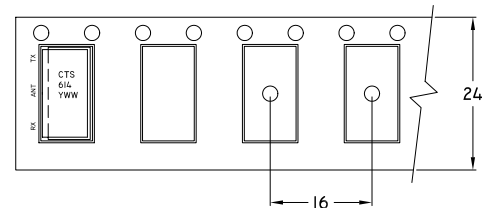
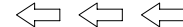
NOTES: 1. ALL DIMENSIONS IN MM.  
2. UNLESS SPECIFIED, TOLERANCES ARE  $\pm 0.13$ .

### PC Board Layout



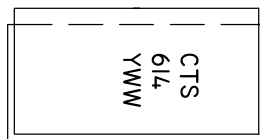
**Packaging** Reel Quantity: 1000 pcs. max.  
Reel Weight: 3.75 lbs. max.

PACK DIRECTION



### Part Marking

Y = LAST DIGIT OF YEAR  
WW = SEQUENTIAL WEEK NUMBER



### Contact Information:

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