

Ceramic Monoblock Duplex Filter

CTS

WIRELESS COMPONENTS

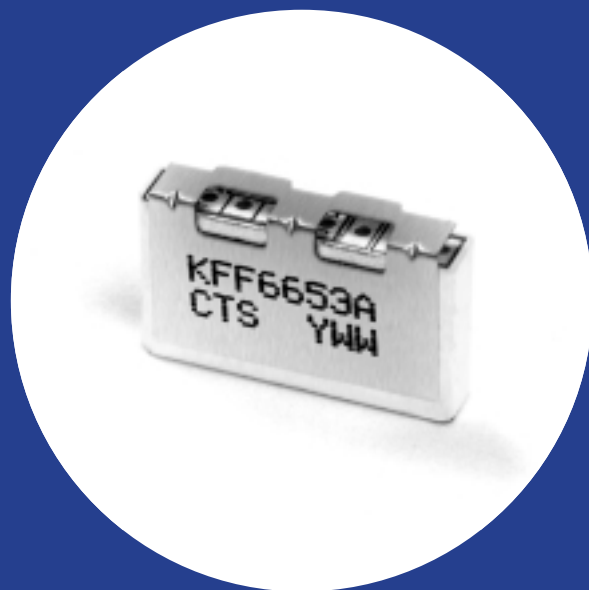
Model KFF6653A Technical Data

Features:

- Small Size
- High Performance
- SMD

Description and Applications:

This monoblock Duplexer filter is primarily designed for Cellular Band applications at 824-894 MHz.



Electrical Specifications

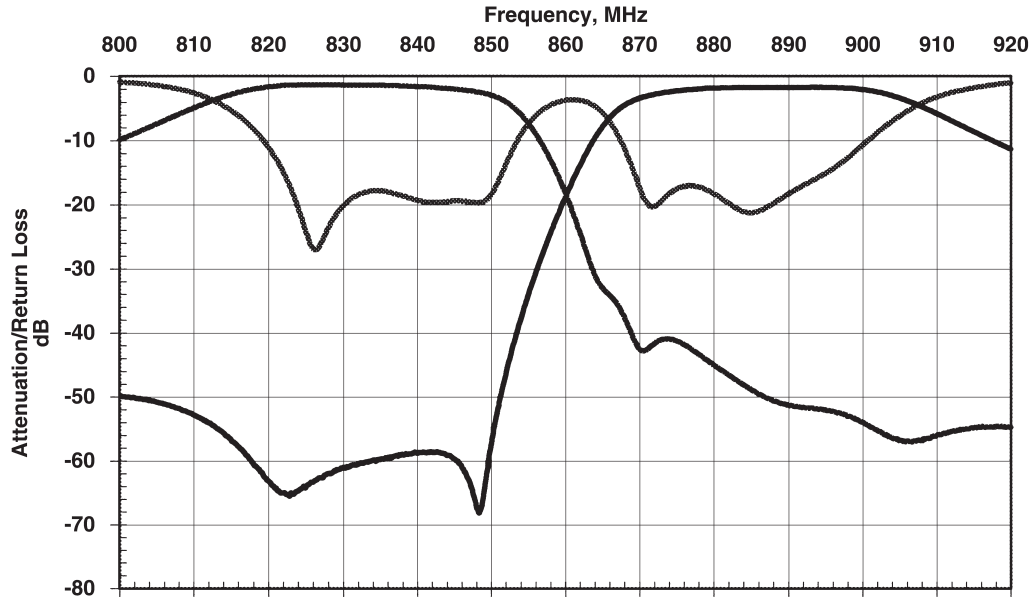
| Antenna to TX Response | Frequency | Specifications @ 25° C |
|------------------------|--------------------|------------------------|
| Insertion Loss | 824 MHz to 849 MHz | 3.0 dB max. |
| Return Loss @ TX | | 13.0 dB min. |
| Return Loss @ ANT | | 13.0 dB min. |
| Attenuation | 869 MHz to 894 MHz | 40.0 dB min. |
| Antenna to RX Response | Frequency | Specifications @ 25° C |
| Insertion Loss | 869 MHz to 894 MHz | 4.0 dB max. |
| Return Loss @ RX | | 9.0 dB min. |
| Return Loss @ ANT | | 13.0 dB min. |
| Attenuation | 824 MHz to 849 MHz | 55.0 dB min. |
| TX to RX Response | Frequency | Specifications @ 25° C |
| Attenuation | 824 MHz to 849 MHz | 57.0 dB min. |
| Attenuation | 869 MHz to 894 MHz | 42.0 dB min. |
| Power Rating | | 3 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:

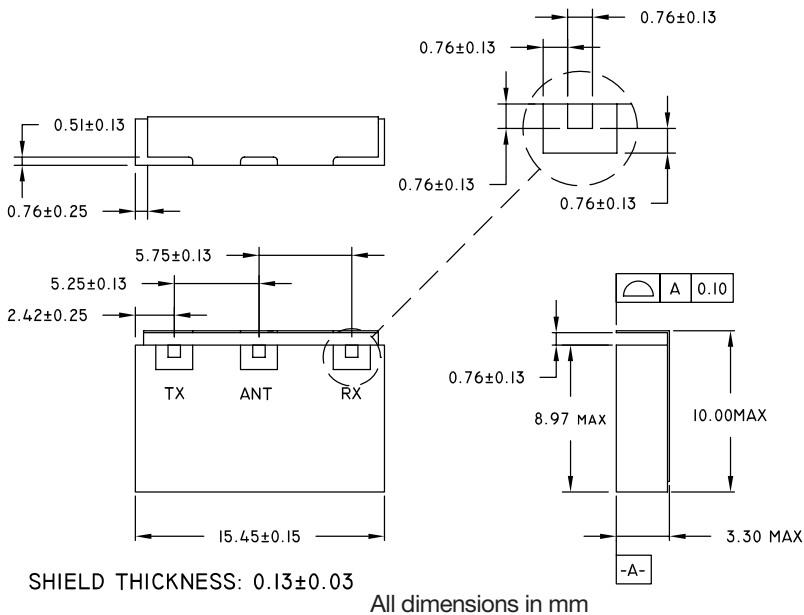
| Specification | Typical Allowance |
|----------------|-------------------|
| Insertion Loss | 0.1 dB |
| Return Loss | 1.0 dB |
| Stopbands | 1.0 dB |

Rev. 1

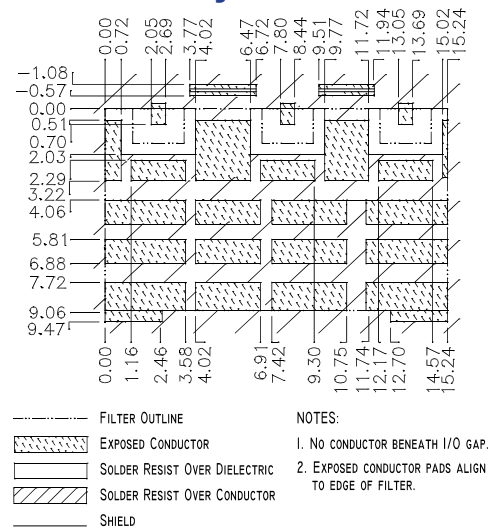
Typical Response Curve



Mechanical Dimensions

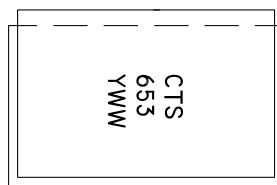


PC Board Layout



Part Marking

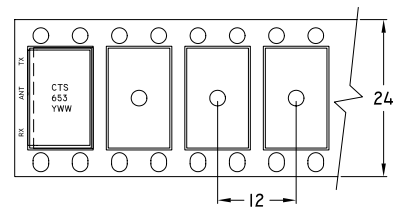
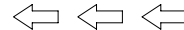
Y = LAST DIGIT OF YEAR
WW = SEQUENTIAL WEEK NUMBER



Packaging

Reel Quantity: 500 pcs. max.
Reel Weight: 3.5 lbs. max.

PACK DIRECTION



Contact Information:

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

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