Ceramic Monoblock Duplex Filter

CTS® WIRELESS COMPONENTS

Model KFF6169A
Technical Data

Features:

- High Power
- Exceptional Performance
- Rugged Bracket Mounting

Description and Applications:

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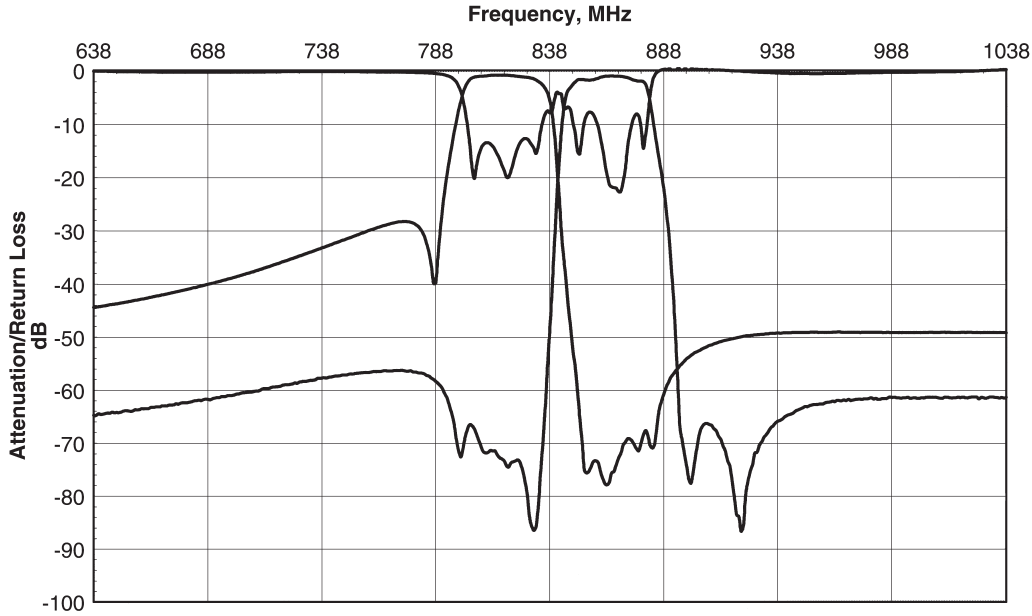

Electrical Specifications

Antenna to TX Response	Frequency	Specifications @ 25° C
Insertion Loss	804 MHz to 824 MHz	2.5 dB max.
Return Loss		9.0 dB min.
Attenuation	850 MHz to 870 MHz	50 dB min.

Antenna to RX Response	Frequency	Specifications @ 25° C
Insertion Loss	850 MHz to 870 MHz	2.5 dB max.
Return Loss		6.0 dB min.
Attenuation	804 MHz to 824 MHz	50 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:
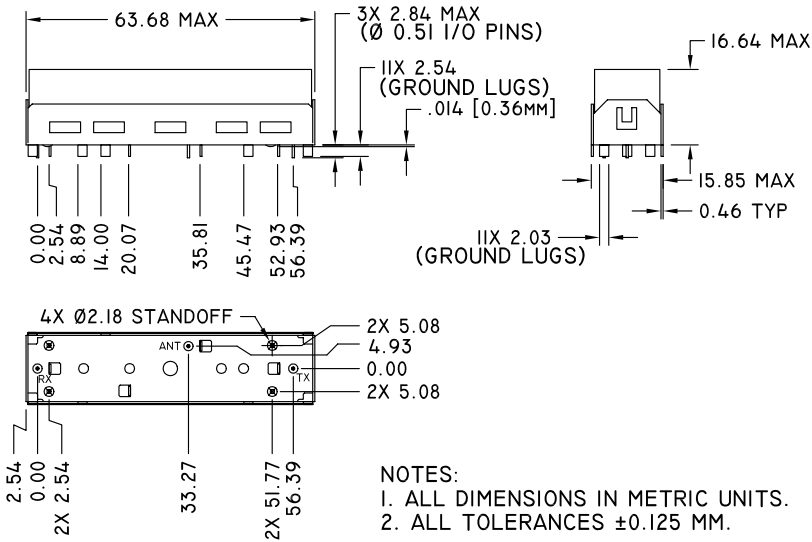
Specification	Typical Allowance
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

Rev. 2

Typical Response Curve

Mechanical Dimensions

NOTES:
1. ALL DIMENSIONS IN METRIC UNITS.
2. ALL TOLERANCES ±0.125 MM.

PC Board Layout
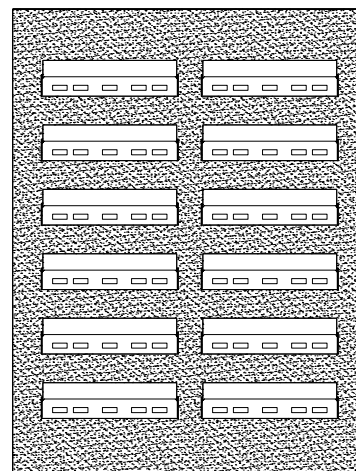

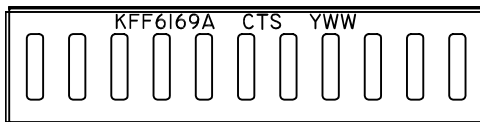VIEW LOOKING DOWN ON FILTER TO PC BOARD
ALL DIMENSIONS NOMINAL
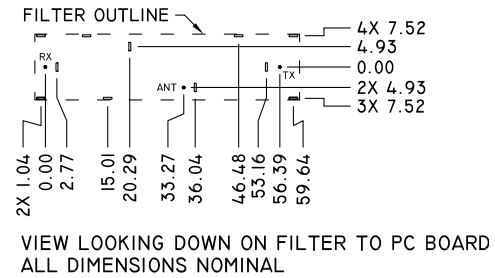
Packaging

This product is shipped in pre-formed foam trays.

Part Marking

Y = LAST DIGIT OF YEAR
WW = SEQUENTIAL WEEK NUMBER

KFF6l69A   CTS   YWW

Contact Information:

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