

Ceramic Monoblock Duplex Filter

CTS.

WIRELESS COMPONENTS

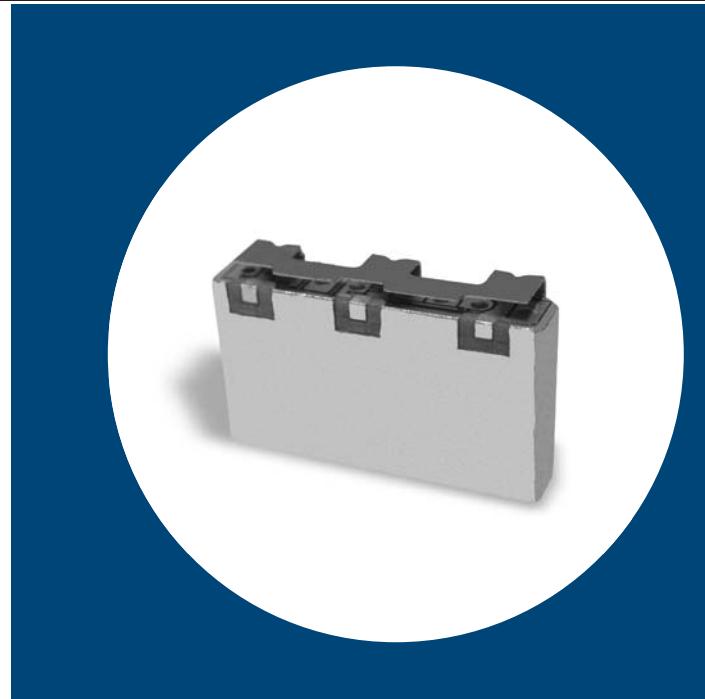
Model KFF6686A Technical Data

Features:

- Small Size
- High Performance
- SMD

Description and Applications:

This monoblock Duplexer filter is primarily designed for Cellular Band (CDMA and AMPS) applications at 824-894 MHz.



Electrical Specifications

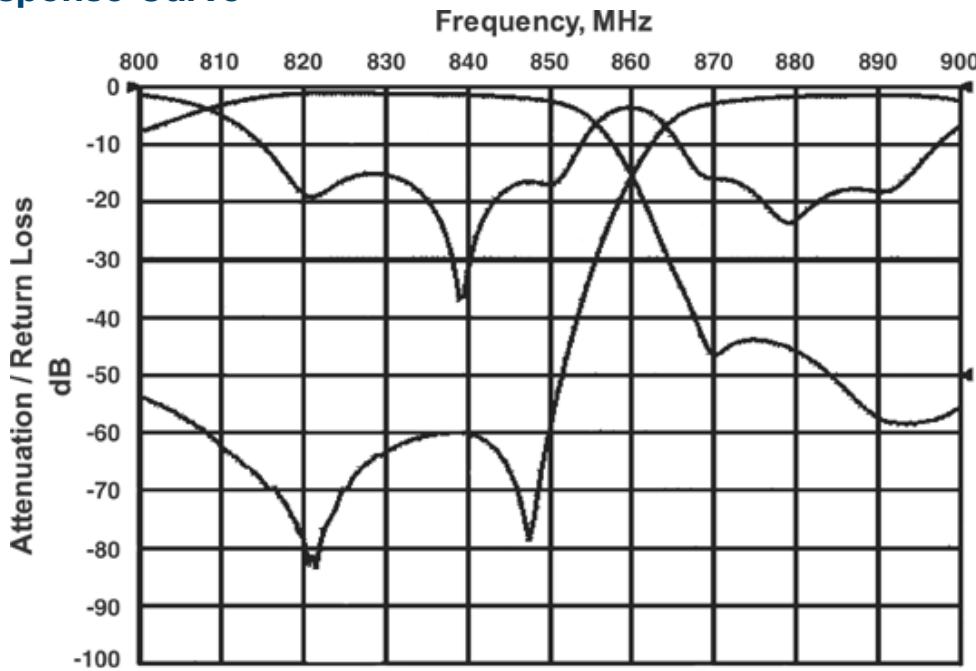
TX to Antenna Response	Frequency	Specifications @ 25° C
Insertion Loss	824 MHz to 849 MHz	2.8 dB max.
Return Loss @ TX		12.0 dB min.
Return Loss @ ANT		12.0 dB min.
Attenuation		41.0 dB min.
Antenna to RX Response	Frequency	Specifications @ 25° C
Insertion Loss	869 MHz to 894 MHz	3.6 dB max.
Return Loss @ RX		12.0 dB min.
Return Loss @ ANT		12.0 dB min.
Attenuation		56.0 dB min.
TX to RX Response	Frequency	Specifications @ 25° C
Rejection @ TX band	824 MHz to 849 MHz	57.0 dB min.
Rejection @ RX band	869 MHz to 894 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:

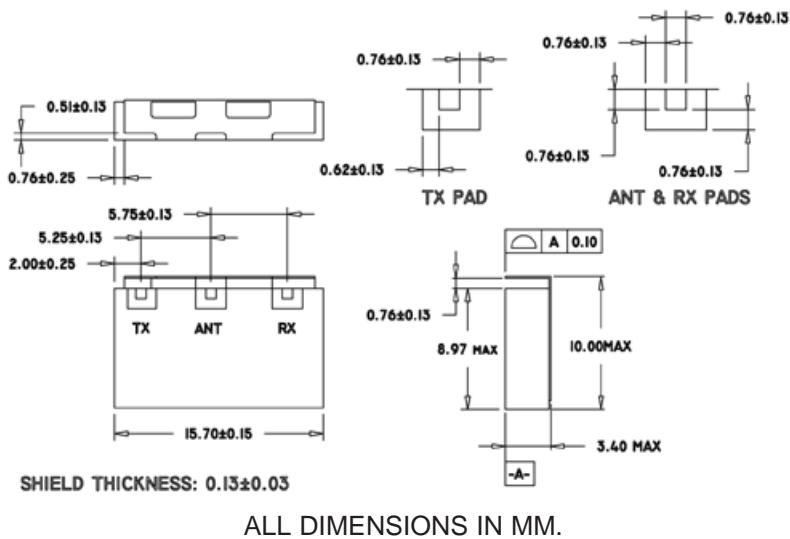
Specification	Typical Allowance
Insertion Loss	0.1dB
Return Loss	1.0dB
Stopbands	1.0dB

Rev. 1

Typical Response Curve



Mechanical Dimensions

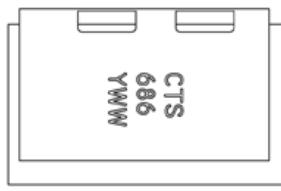


ALL DIMENSIONS IN MM.

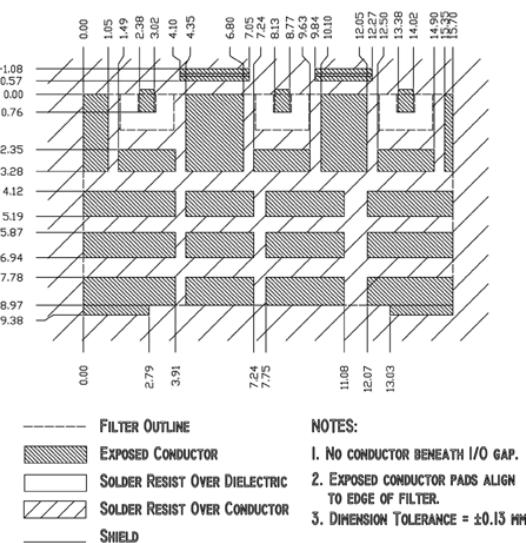
Part Marking

Y = LAST DIGIT OF YEAR

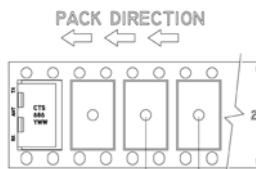
WW = SEQUENTIAL WEEK NUMBER



PC Board Layout



Packaging



REEL QUANTITY: 500 MAX.
REEL WEIGHT: 3.5 LB MAX.
REEL DIAMETER: 330 MM

Contact Information:

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