Ceramic Monoblock Duplex Filter

CTS WIRELESS COMPONENTS

Model KFF6637A
Technical Data

Features:

- Small Size
- High Performance
- SMD

Description and Applications:

This monoblock Duplexer filter is primarily designed for US PCS applications at 1850-1990 MHz.
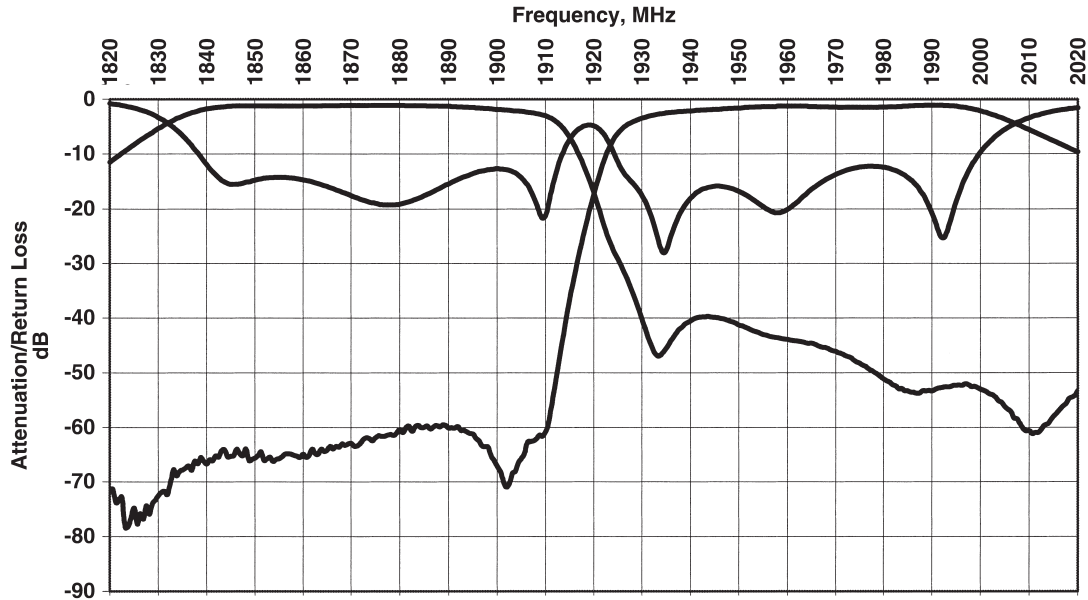
Electrical Specifications

Antenna to TX Response	Frequency	Specifications @ 25° C
Insertion Loss	1850 MHz to 1910 MHz	3.6 dB max.
Return Loss		10.0 dB min.
Rejection @ RX Band	1930 MHz to 1990 MHz	37.0 dB min.
Rejection	1720 MHz to 1780 MHz	25.0 dB min.

Antenna to RX Response	Frequency	Specifications @ 25° C
Insertion Loss	1930 MHz to 1990 MHz	4.2 dB max.
Return Loss		10.0 dB min.
Rejection @ TX Band	1850 MHz to 1910 MHz	55.0 dB min.

TX to RX Response	Frequency	Specifications @ 25° C
Rejection @ RX Band	1930 MHz to 1990 MHz	39.0 dB min.
Rejection @ TX Band	1850 MHz to 1910 MHz	56.0 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:
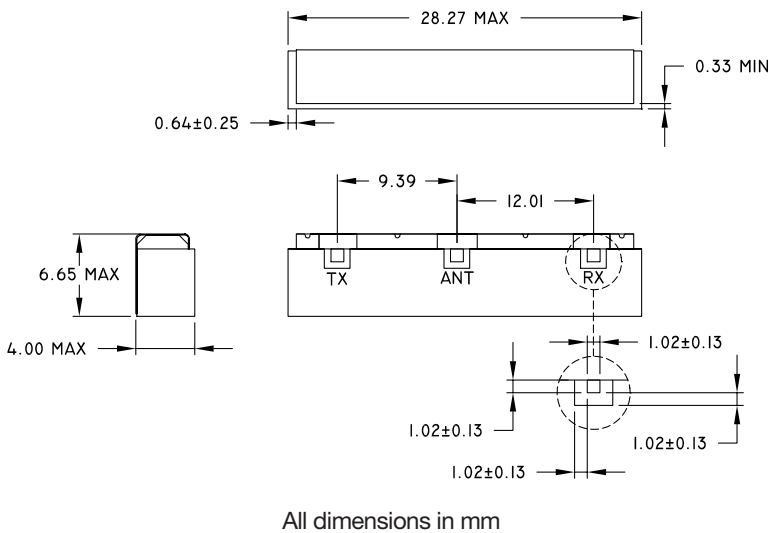
Specification	Typical Allowance
Insertion Loss	0.1 dB
Return Loss	1.0 dB
Stopbands	1.0 dB

Rev. 1

Typical Response Curve

Frequency, MHz

Attenuation/Return Loss dB

Mechanical Dimensions

28.27 MAX

0.33 MIN

0.64±0.25

9.39

12.01

6.65 MAX

4.00 MAX

TX   ANT   RX

1.02±0.13
1.02±0.13
1.02±0.13
1.02±0.13

All dimensions in mm

PC Board Layout

---- FILTER OUTLINE

EXPOSED CONDUCTOR

SOLDER RESIST OVER DIELECTRIC

SOLDER RESIST OVER CONDUCTOR

Packaging

Reel Quantity: 500 pcs. max.
Reel Weight: 4.5 lbs. max.

PACK DIRECTION

16

44
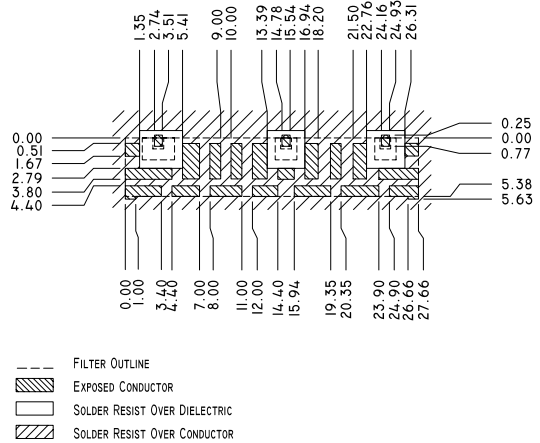
Part Marking

Y = LAST DIGIT OF YEAR
WW = SEQUENTIAL WEEK NUMBER

CTS
637
YWW
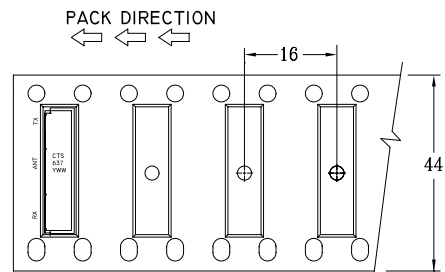
Contact Information:

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