



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

718/773 MHz LTE Cavity Duplexer

Part Number: AD718-773D476



Electrical Specifications

Rx Band: 703-733 MHz
Rx Insertion Loss: 1.5 dB Max (1.2 dB Typ.)
Rx Ripple: 1.0 dB Max (0.8 dB Typ.)
Rx Rejection: 45 dB Min @ 0-698 MHz
 55 dB Min @ 806-2380 MHz
Tx Band: 758-788 MHz
Tx Insertion Loss: 1.0 dB Max (0.8 dB Typ.)
Tx Ripple: 0.45 dB Typ.
Tx Rejection: 55 dB Min @ 0-698 MHz
 55 dB Min @ 806-2380 MHz
Return Loss: 18 dB Min
Tx/Rx Isolation: 95 dB Min
Power Handling: 100 Watts

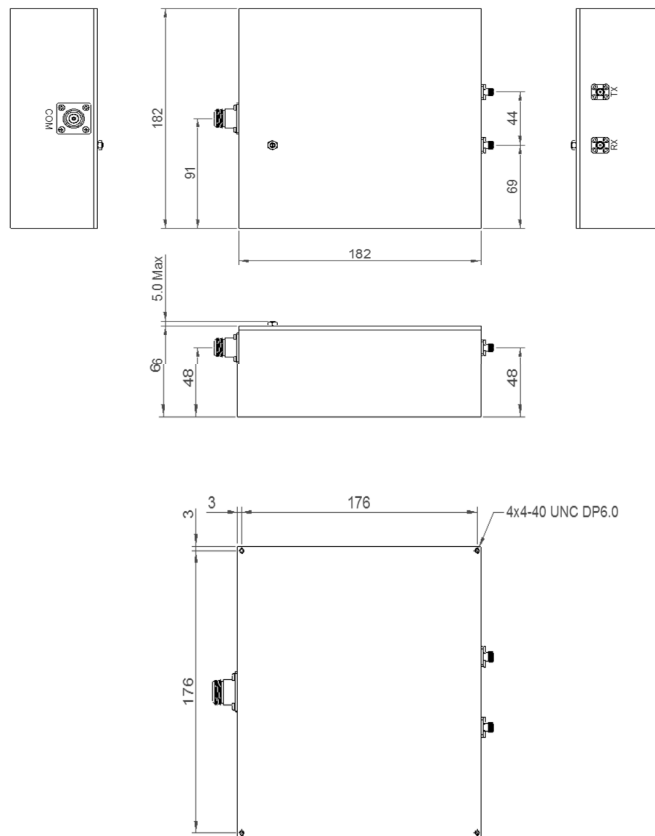
Mechanical

COM Port Connector: N-Type (F)
Rx/Tx Ports: SMA (F)
Dimensions: 182 x 182 x 66 mm

Environmental

Operating Temperature: -10 to +80° C
Storage Temperature: -35 to +95° C

Outline Drawing:



Tolerance: +/-0.01 inches [+/- 0.3mm]

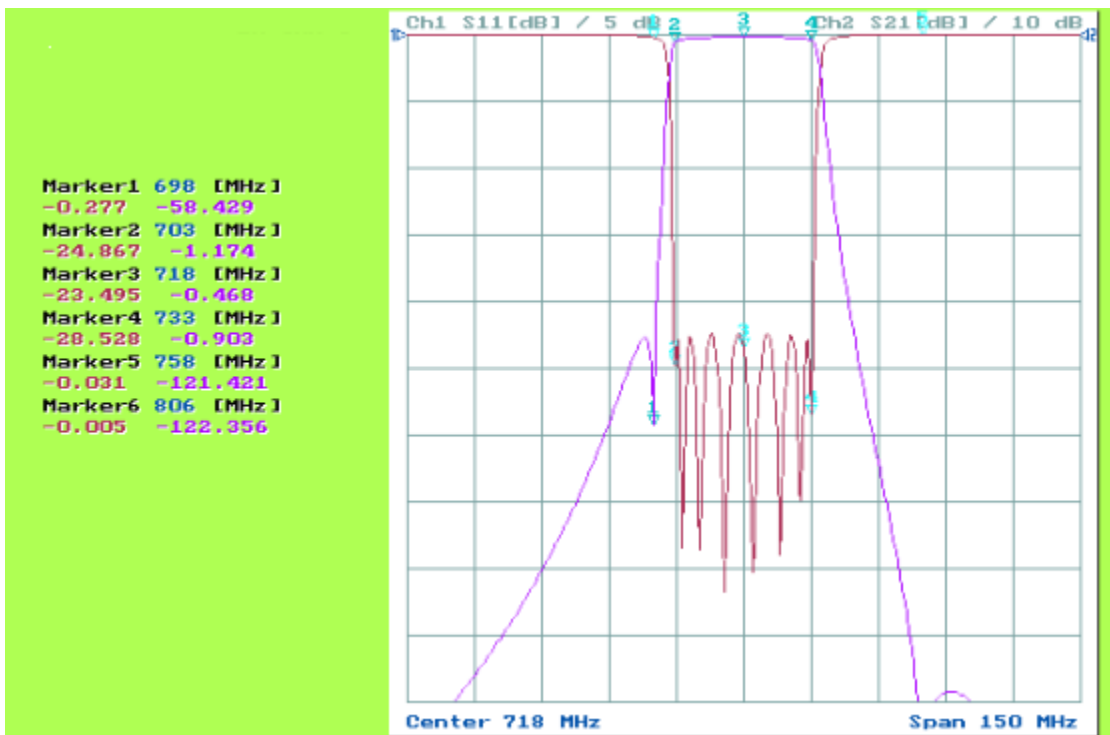
Angles: +/- 1 Deg.

*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

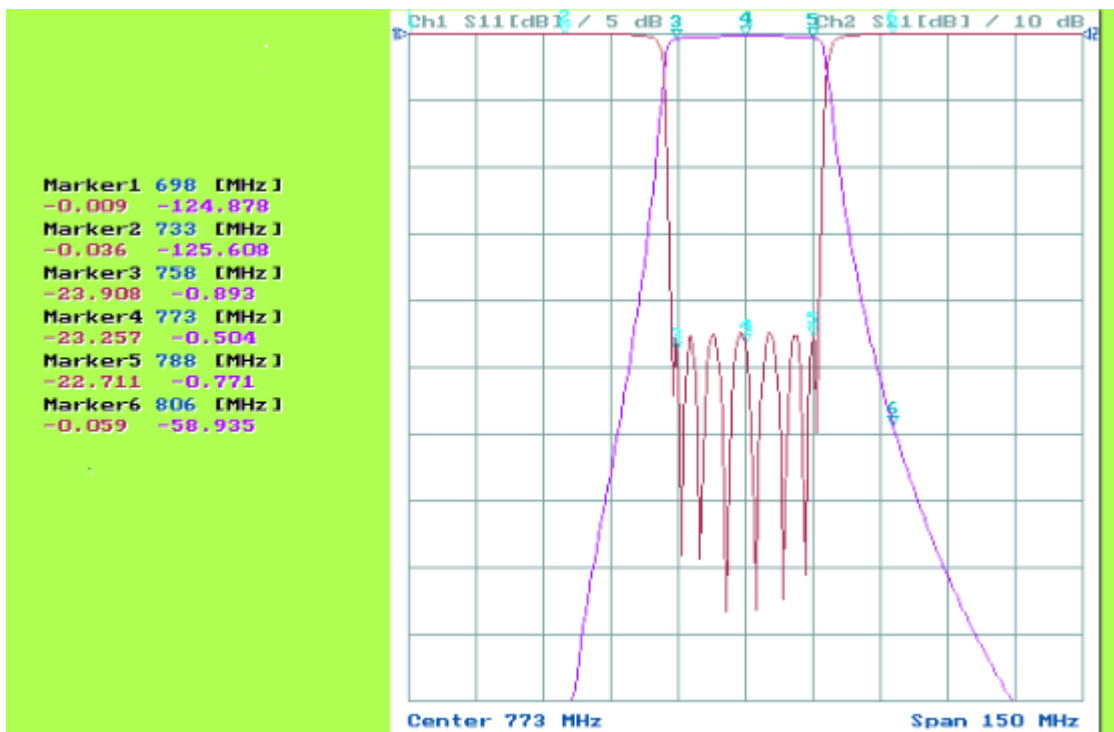
*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.



Response Plot:



Rx: Return Loss and Insertion Loss and Ripple and Rejection



Tx: Return Loss and Insertion Loss and Ripple and Rejection