



# ANATECH ELECTRONICS, INC.

Manufacturer of RF & Microwave Filters and Products



763-775 MHz / 793-824 MHz / 851-869 MHz Triplexer

Part Number: AD769-808-860TR286

Frequency Range (PASS):  
 DL Low (Tx): 763-775 MHz  
 Center Frequency: 769 MHz (12 MHz)  
 Insertion Loss at BW: 3.5 dB max.  
 Ripple at BW: 1.5 dB max.  
 Return Loss at BW: 15 dB min.  
 Impedance: 50 Ohm nominal  
 Rejection (min.): 40 dB @ DC-714 MHz  
 45 dB @ 714-716 MHz  
 25 dB @ 717-726 MHz  
 35 dB @ 727-738 MHz  
 40 dB @ 739-750 MHz  
 35 dB @ 751-761 MHz  
 60 dB @ 778-787 MHz  
 55 dB @ 788-814 MHz  
 60 dB @ 815-832 MHz  
 65 dB @ 833-848 MHz  
 45 dB @ 849-2200 MHz

Power: 0.5W avg.

Frequency Range (PASS):  
 UL MID (Rx): 793-824 MHz  
 Center Frequency: 808.5 MHz (31 MHz)  
 Insertion Loss at BW: 1.0 dB max.  
 Ripple at BW: 1.5 dB max.  
 Return Loss at BW: 15 dB min.  
 Impedance: 50 Ohm nominal  
 Rejection (min.): 20 dB @ DC-727 MHz  
 55 dB @ 728-762 MHz  
 57 dB @ 763-775 MHz  
 8 dB @ 776-787 MHz  
 20 dB @ 833-850 MHz  
 55 dB @ 851-894 MHz  
 20 dB @ 895-919 MHz  
 7.5 dB @ 920-924 MHz  
 55 dB @ 925-960 MHz  
 20 dB @ 961-995 MHz  
 7.5 dB @ 1730-1804 MHz  
 45 dB @ 1805-1880 MHz  
 7.5 dB @ 1881-1929 MHz  
 45 dB @ 1930-1995 MHz  
 7.5 dB @ 1996-2109 MHz  
 45 dB @ 2110-2170 MHz  
 7.5 dB @ 2171-2230 MHz

Power: 6W avg.

Frequency Range (PASS):  
 DL High (Tx): 851-869 MHz  
 Center Frequency: 860 MHz (18 MHz)  
 Insertion Loss at BW: 2 dB max.  
 Ripple at BW: 1.5 dB max.  
 Return Loss at BW: 15 dB min.  
 Impedance: 50 Ohm nominal  
 Rejection (min.): 45 dB @ DC-776 MHz  
 65 dB @ 777-787 MHz  
 60 dB @ 788-799 MHz  
 55 dB @ 800-814 MHz  
 60 dB @ 815-832 MHz  
 45 dB @ 833-846 MHz  
 30 dB @ 872-878 MHz  
 40 dB @ 879-887 MHz  
 55 dB @ 888-915 MHz  
 35 dB @ 916-2200 MHz

Power: 0.5W avg.

Tx to Rx Isolation: 80 dB min.  
 Tx to Tx Isolation: 45 dB min.  
 Temperature Range: -0C to +50C  
 Connector Type: N-Type (F)  
 Dimensions: 346 x 330 x 75 mm

