



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

