



# CMD234

## AMPS B-Band Duplexer

### Receive Channel

Passband:	835 - 849 MHz
Insertion Loss:	1.8 dB max.
Return Loss:	19.0 dB min.
Rejection:	
DC – 804 MHz	90 dB min
804 – 830 MHz	40 dB min.
830 – 834 MHz	20 dB min.
834 – 834.4 MHz	7.5 dB min.
849.6 – 850 MHz	7.5 dB min.
850 – 854 MHz	20 dB min.
854 – 880 MHz	40 dB min.
880 – 2000 MHz	90 dB min.
Isolation TX to RX:	90 dB min.

Operating Temp: 0° to +50°C  
 Storage Temp: -40° to +85°C

### Transmit Channel

Passband:	880-894 MHz
Insertion Loss:	0.75 dB max.
Return Loss:	18.0 dB min.
Rejection:	
DC – 849 MHz	90 dB min.
925 – 2000 MHz	70 dB min.
Isolation RX to TX:	90 dB min.
Power:	750 Watts Ave. 12.5 kW PIP

Antenna Port  
 Coupling: -50 dB +/- 3 dB  
 IMD: -120 dBm max.@ RX port /two  
 20 Watt CW Carriers into TX  
 port.

