



# CMD112

## PCS Duplexer

Revision 1, March 3, 2003

### Receive Channel

**Passband:** 1850 – 1910 MHz  
**Insertion Loss:** 1.0 dB max.  
**Return Loss:** 18.0 dB min.  
**Rejection:**  
     DC – 1790 MHz 60 dB min  
     1930 – 1990 MHz 95 dB min.  
     1990 – 3980 MHz 60 dB min.  
**Isolation Tx to Rx:** 95 dB min.

### Transmit Channel

**Passband:** 1930 - 1990 MHz  
**Insertion Loss:** 1.0 dB max.  
**Return Loss:** 18.0 dB min.  
**Rejection:**  
     DC – 1910 MHz 95 dB min.  
     2050 – 3980 MHz 60 dB min.  
**Isolation Rx to Tx:** 95 dB min.  
**Power:** 100 Watts CW

**Intermodulation:** -105 dBm max @ RX with two +42 dBm CW carriers (Ant. Terminated)  
**Operation Temp:** 0° to +60°C  
**Storage Temp:** -40° to +85°C

