



CMD319

PCS Duplexer With Bias Tee

Revision 3, 11/6/2002

Receive Channel

Passband: 1850 - 1910 MHz
Insertion Loss: 0.8 dB max.
Flatness: 0.4 dB max.
Return Loss: 15.0 dB min.
Rejection:
DC – 1825 MHz 50 dB min
1930 – 5000 MHz 75 dB min
Isolation Tx to Rx: 75 dB min.
Intermodulation: -105 dBm max.
Measured at the RX port
with two +43dBm CW carriers
at the TX port, ANT port
terminated with low IMD 50 Ω
termination

Transmit Channel

Passband: 1930 - 1990 MHz
Insertion Loss: 0.8 dB max.
Flatness: 0.4 dB max.
Return Loss: 15.0 dB min.
Rejection:
DC – 1910 MHz 75 dB min
2015 – 5000 MHz 50 dB min.
Isolation Rx to Tx: 75 dB min.
Power: 500 Watts CW Ave.
5000 Watts PIP

Bias Tee: 24 Volts / 200 mA to Antenna Port
Heat sinking: Direct Heat Sink Is Recommended But Not Required.
Forced Air Not Required But Is Recommended.
Connectors: Ant., TX, RX - 7/16 DIN Female
Bias – Std. Feedthru Filter Conn.
Finish: Unpainted Silver
Dimensions: Per OL-CMD319 Rev. 1
Operation Temp: -20° to +70°C
Storage Temp: -40° to +85°C