



# CMWD198

## 30 GHz Waveguide Diplexer

### Receive Channel

**Passband:** 31055 - 31245 MHz  
**Insertion Loss:** 1.0 dB max.  
**Loss Flatness:** 0.5 dB max.  
**Return Loss:** 18.0 dB min.  
**Rejection:**  
     14000 MHz to Fo -1800 MHz: 40 dB min.  
     Fo+1800 MHz to 33000 MHz: 50 dB min.  
**Isolation Tx to Rx:** 50 dB min.  
**Operation Temp:** 0° to +60°C  
**Storage Temp:** -40° to +85°C

### Transmit Channel

**Passband:** 29080 - 29270 MHz  
**Insertion Loss:** 1.0 dB max.  
**Loss Flatness:** 0.5 dB max.  
**Return Loss:** 18.0 dB min.  
**Rejection:**  
     14000 MHz to Fo -1800 MHz: 40 dB min.  
     Fo+1800 MHz to 33000 MHz: 50 dB min.  
**Isolation Rx to Tx:** 50 dB min.

