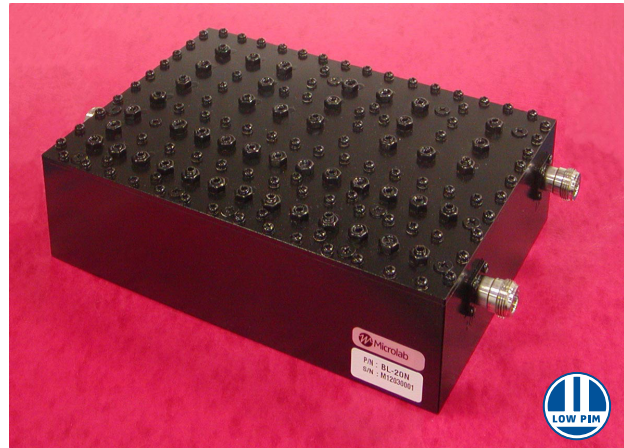


- ◆ Combines or Splits Tx and Rx Signals for all 700 MHz LTE Systems
- ◆ <-153 dBc specified PIM
- ◆ High Isolation
- ◆ Low Insertion Loss
- ◆ Up to 60W power
- ◆ High reliability
- ◆ RoHS Compliant
- ◆ N connector

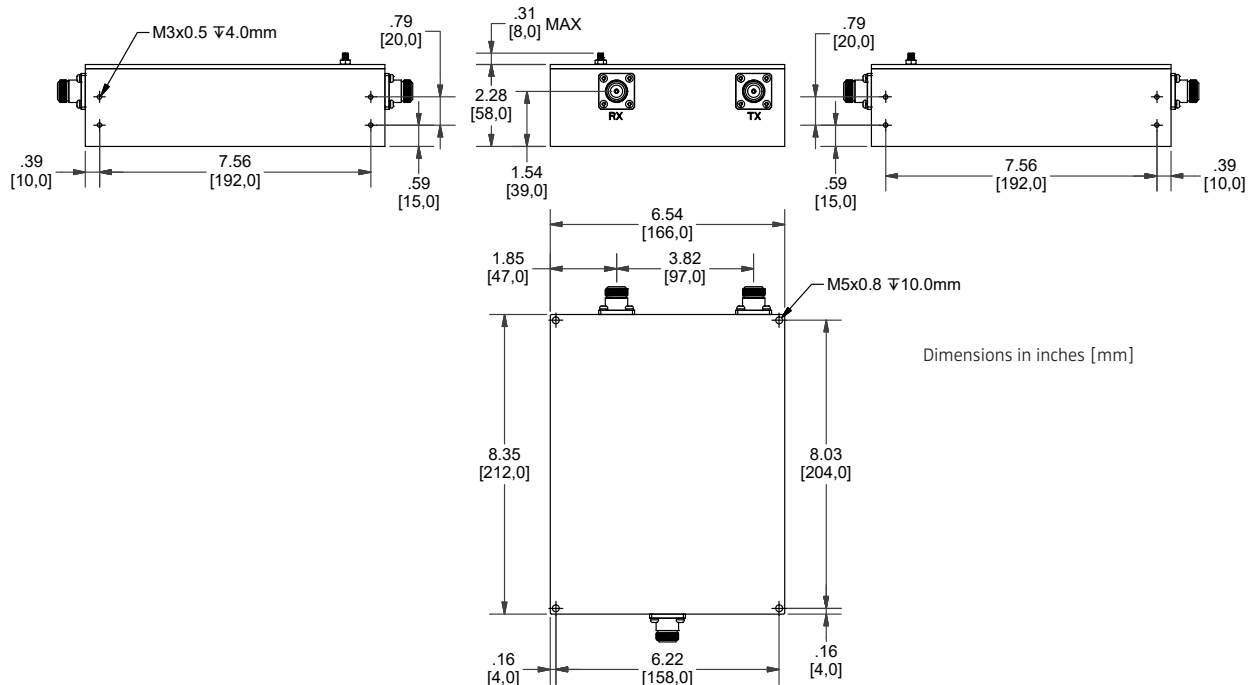


Microlab Cavity Duplexer Model BL-20N allows combination and separation of the Tx and Rx signals for all duplex 700 MHz Band LTE signals. Units provide high isolation, and low insertion loss.

Attention to mechanical design, ensures low loss, and high reliability. Other models available for different bands and powers.

Rx Passband, (Rx Port): 698 - 716 and 776 - 798 MHz
 Tx Passband, (Tx Port): 728 - 768 MHz
 Insertion Loss: 1.0 dB max.
 Passband Ripple: 0.8 dB max.
 Return Loss: 18 dB min., All ports
 PIM: <-153 dBc (-110 dBm)
 (measured in Rx Block using two +43 dBm tones in corresponding Tx Block)
 Input Isolation: >60 dB (between Tx/Rx bands)
 Power Rating: 60W avg., 5 kW peak
 Impedance: 50Ω nominal
 Environment: -30°C to +80°C, IP64
 Finish: Connectors: N (f), triplated
 Housing Finish: Black epoxy painted aluminum
 Weight, nom: 6.5 lbs (2.9 kg)

Mechanical Outline



Simulation Data
