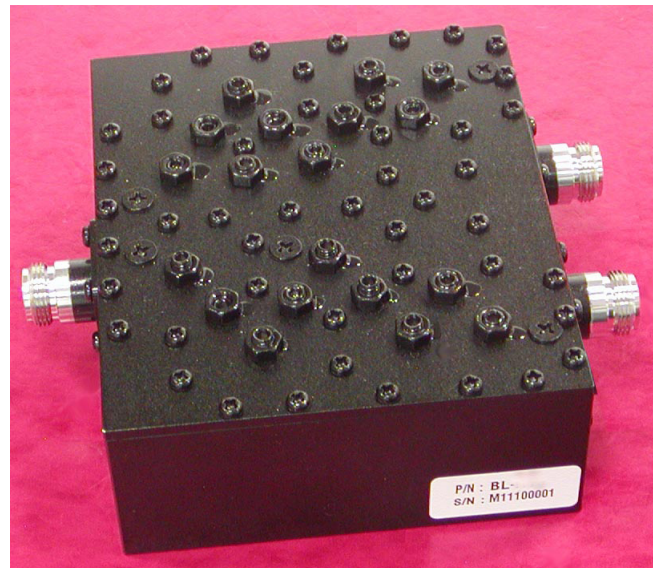


## \$ Saver Product Line

- ◆ Combines or Splits Tx and Rx Signals for iDEN 800 MHz systems
- ◆ High Isolation
- ◆ Low Insertion Loss
- ◆ Up to 60W power
- ◆ High reliability
- ◆ RoHS Compliant
- ◆ N connectors



|                       | Model/Connector            |                |
|-----------------------|----------------------------|----------------|
|                       | N (f)                      | 7-16 (f)       |
| iDEN 800 MHz Duplexer | <b>BL-18N</b>              | <b>*BL-18D</b> |
|                       | *7-16 model in development |                |

Microlab Cavity Duplexer Model BL-18 series allows combination and separation of the Tx and Rx signals in a duplex iDEN 800 MHz signal. Units provide high isolation, and low insertion loss.

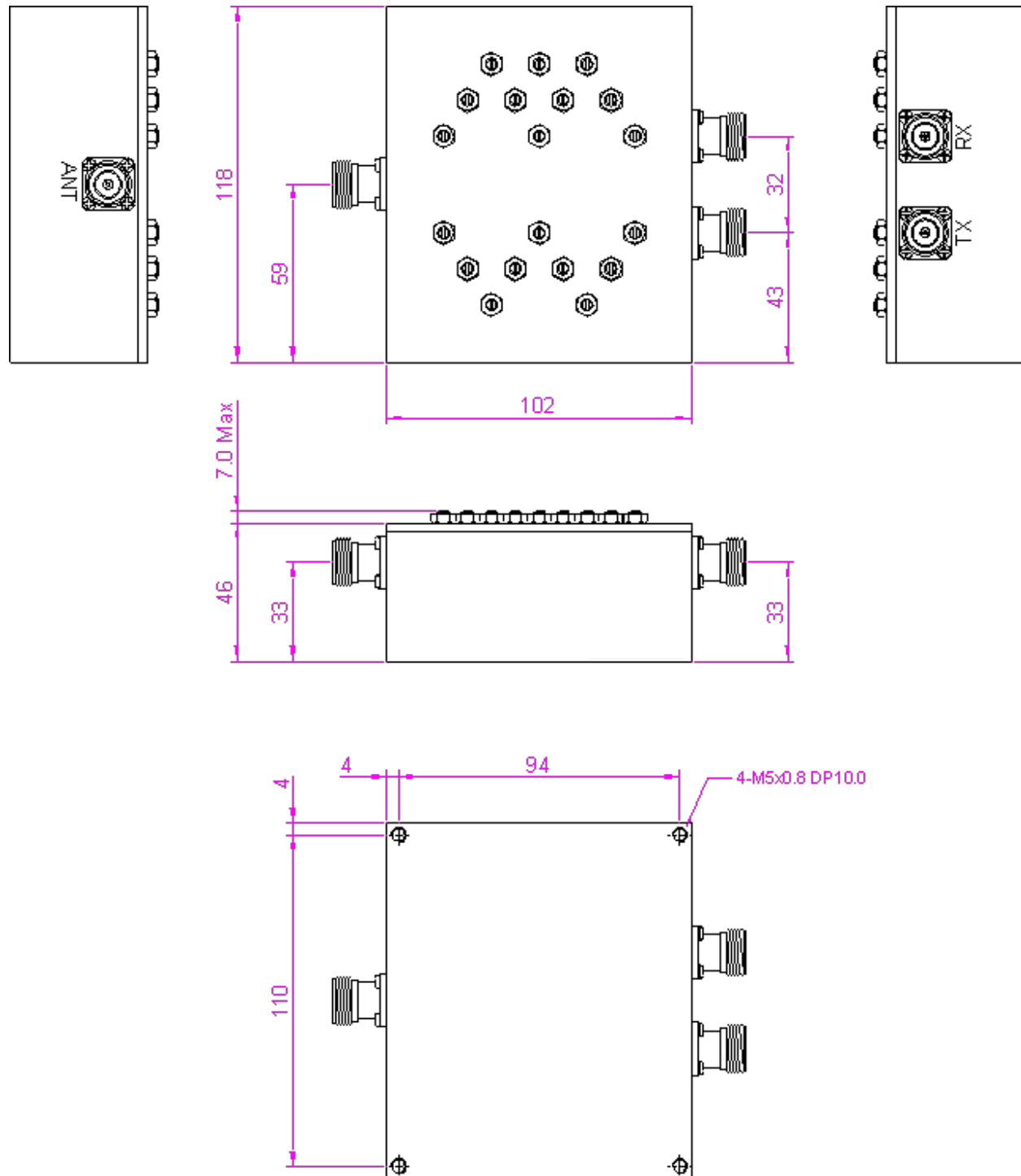
Attention to mechanical design, ensures low loss, and high reliability. Other models available for different bands and powers.

|                         |                              |
|-------------------------|------------------------------|
| Rx Passband:            | 806-824 (Rx Port)            |
| Tx Passband:            | 851-869 MHz (Tx Port)        |
| Bandwidth, Tx and Rx:   | 18 MHz                       |
| Insertion Loss:         | 1.2 dB max.                  |
| Return Loss, all ports: | 18 dB min.                   |
| Input Isolation:        | >65dB (between Tx/Rx bands)  |
| Power Rating:           | 60W avg., 5 kW peak          |
| Impedance:              | 50Ω nominal                  |
| Environment:            | -30°C to +70°C, IP64         |
| Finish: Connectors:     | N (f) or 7-16 mm triplated   |
| Housing Finish:         | Black epoxy painted aluminum |
| Weight, nom:            | 8.5 lb., 3.8 kg              |



Note: Specifications are subject to change without prior notification.

30AUG2017



All dimensions in mm nominal