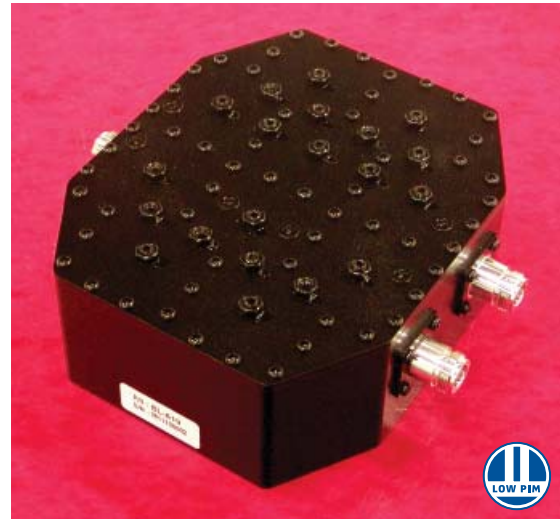


### \$ *Saver Product Line*

- ◆ Combines or Splits Tx and Rx Signals for 700 MHz LTE Systems Lower B/C Block
- ◆ <-153 dBc specified PIM
- ◆ High Isolation
- ◆ Low Insertion Loss
- ◆ Up to 300W power
- ◆ High reliability
- ◆ RoHS Compliant
- ◆ N connectors

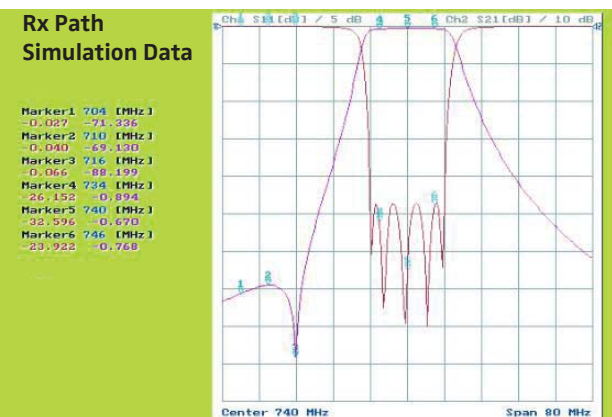
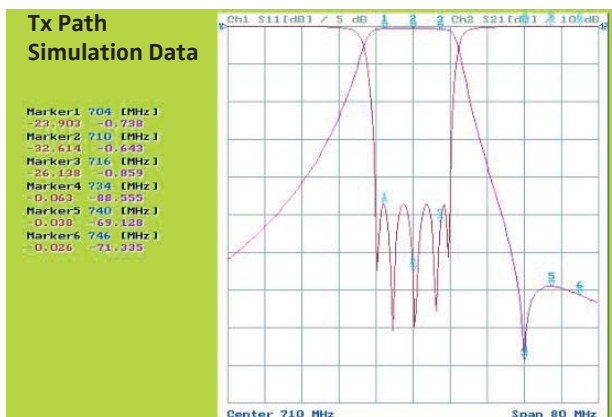


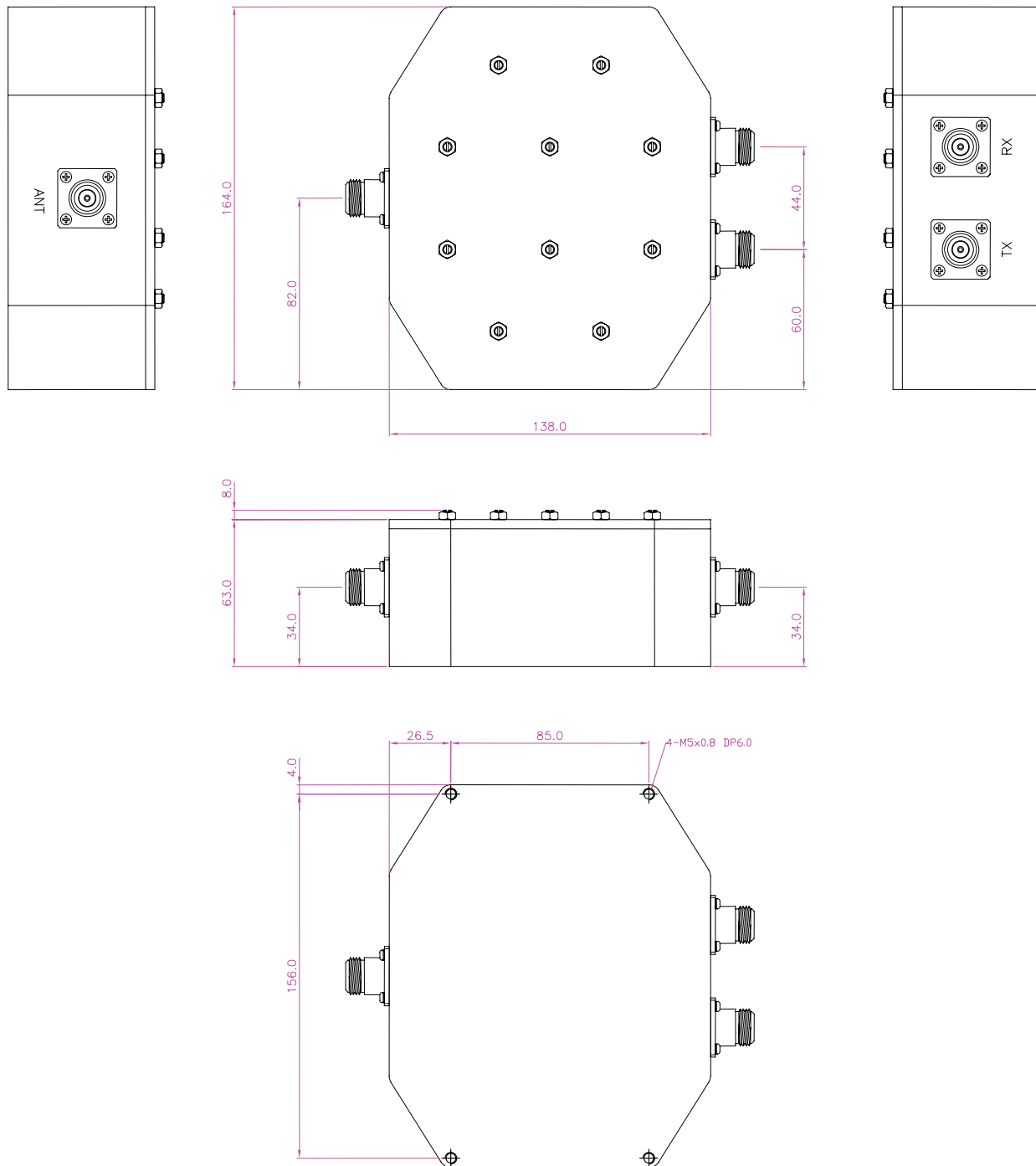
	Model/Connector N (f)	7-16 (f)
700 MHz L-B/C Duplexer	<b>BL-15N</b>	<b>BL-15D</b>
	*7-16 model in development	

Microlab Cavity Duplexer Model BL-15 series allows combination and separation of the Tx and Rx signals in a duplex 700 MHz Band Lower B/C Block 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. (08/13).

Rx Passband:	704 - 716 MHz (Rx Port)
Tx Passband:	734 - 746 MHz (Tx Port)
Bandwidth, Tx and Rx:	12 MHz
Insertion Loss:	1.0 dB max.
Passband Ripple:	0.7 dB max.
Return Loss, all ports:	20 dB min.
PIM (Intermod):	<-153 dBc (measured in Rx Block using two +43 dBm tones in corresponding Tx Block)
Input Isolation:	>60dB (between Tx/Rx bands)
Power Rating:	300W 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:	7.2 lb., 3.25 kg





All dimensions in mm nominal