

P-5027 type RFID Circulator Duplexer

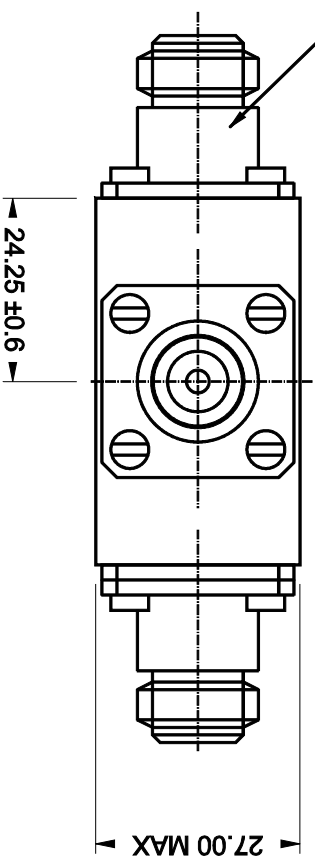


- * **Integrated Attenuators**
- * **High Tx to Rx Isolation**
- * **Insensitive to poor Antenna Match**
- * **Robust Design**

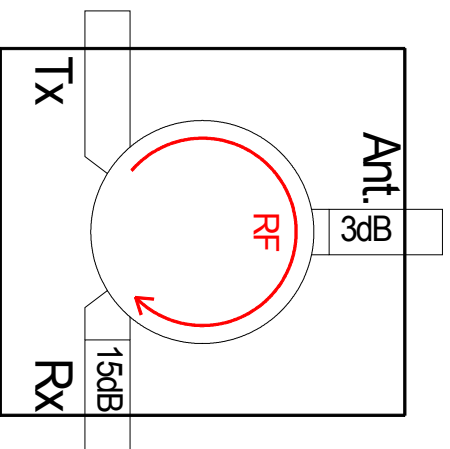
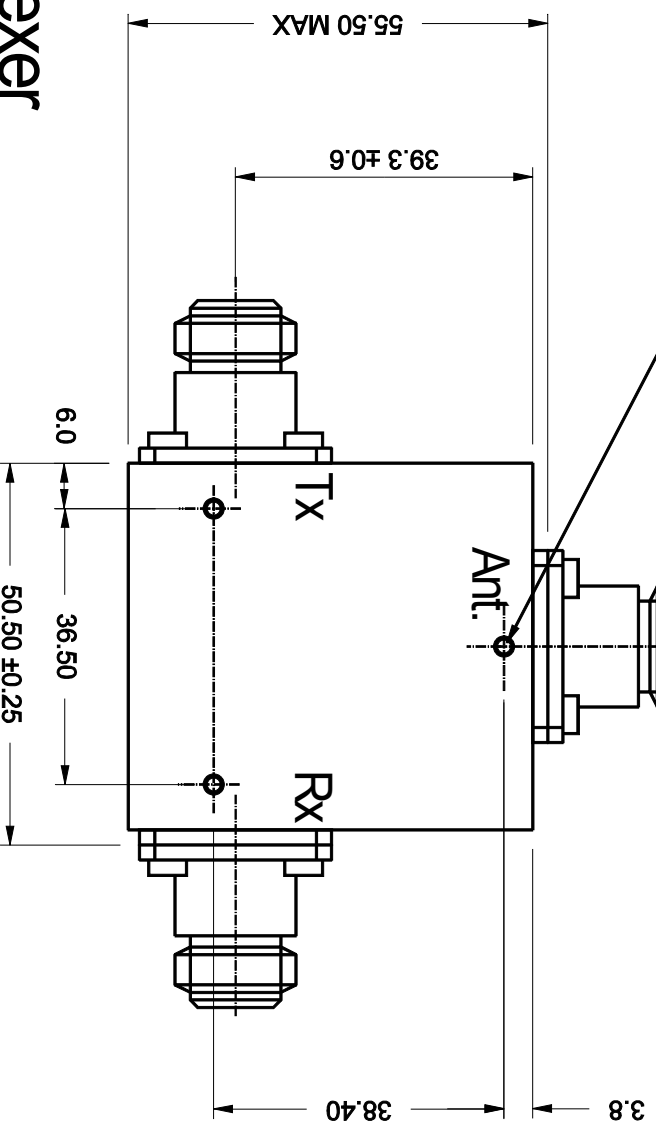
The P-5027 is suitable for RFID measurement systems, where a common antenna is used for Tx and Rx signals. An integral 15dB attenuator provides enhanced isolation between Tx and Rx. In addition, an integral 3dB attenuator improves the match of the antenna by 6dB. As a result, Tx to Rx isolation is in excess of 30dB, even with an antenna return loss of 12dB. Note: Attenuator values can be changed to suit specific applications.

Frequency Range	800 - 1000 MHz
Impedance	50 ohm
Isolation Tx to Rx	30dB min. (with antenna R.Loss 12dB)
Return Loss	21dB min.
Tx to Ant. Insertion Loss	3.8dB max.
Ant. To Rx Insertion Loss	19dB max.
Power	1 Watt (+30dBm)
Ambient Operating Temperature	0 to +50 degrees Celsius
Connectors	Type 'N' Female / Male / SMA
Size (excluding connectors)	50.50 x 55.50 x 27.0mm (nom.)
Finish	Bright Zinc Plate
Weight	420 grams

3 CONNECTORS
TYPE N/FEMALE



3 HOLES
M2.5 X 7 DEEP
(BOTH SIDES)



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SCALE 1:1 DIMENSIONS: mm