Renaissance has designed a high power L-band SMT Circulator that has superior electrical performance with the advantage of being pick and place process compatible. Ideal for high volume production designs and a wide band performance from 950 to 1225 MHz, this circulator is ideal for IFF band applications.

**Features and Benefits**
- Ideal for flight applications (front-ends)
- Designed to handle high peak and average power levels
- Pick and place processes compatible
- Low insertion loss improves link budgets
- Low VSWR provides higher system efficiency
- High isolation improves systems fidelity

**Specifications**
- **Frequency**: 950 – 1225 MHz
- **Insertion loss**: 0.4 dB @ 1030 - 1090 MHz  
  1.0 dB @ 950 – 1225 MHz
- **Isolation**: 18 dB @ 1030 – 1090 MHz  
  16.5 dB @ 950 – 1225 MHz
- **VSWR**: 1.38: 1
- **Power (CW)**: 50W AVG FWD & REV  
  **Power (PK)**: 400W
- **Temperature**: -20°C to 60°C
- **Phase Stability ± 1.5°**: 10°C to 40°C @ 1030 – 1090 MHz
- **Size**: 1.07” x .345” x .818”