1017 – 1103 MHz Surface Mount Circulator, L-band

Renaissance’s latest High Power L-band Surface Mount Circulator has superior electrical performance with the advantage of being pick and place process compatible and so ideal for high volume production designs. With insertion loss of 0.35 dB and 20 dB return loss, along with power handling of 500W peak and 100W average, it is well suited to protect HPAs and to duplex HPA with Antenna and Receiver Circuitry. The circulator is also designed to operate at 10,000 feet altitude.
Features and Benefits

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

Specifications

- Frequency: 1017 – 1103 MHz
- Insertion loss: 0.35 dB
- Isolation: 20 dB
- Return Loss: 20 dB
- Power (CW): 100 Watt
- Power (PK): 500 Watt
- Temperature: -10°C to 80°C
- Phase Stability: -40°C to 80°C @10,000FT
- Size: 1.000” x 1.07” x .345”