Ultra High Power Circulator

Renaissance has recently manufactured a 50 kW peak power circulator that can sustain 300 W CW operating at 775 – 920 MHz. The input and output connectors are 7/8” EIA and the third port has a HN connector. With insertion loss of less than 0.4 dB and with return loss and isolation over 20 dB, the circulator is ideal to duplex an antenna to a high power amplifier and a receiver.

**Specifications**

- Frequency: 775 – 920 MHz
- Insertion loss: 0.4 dB
- Isolation: 20 dB
- VSWR: 1.25:1
- Peak Power: 50 kW
- Average Power: 300 W
- Temperature: 20 to 50 °C
- Size: 3.25” x 3.5” x 1.75”

**Product Features**

- Ultra Peak Power (50 kW)
- High Average Power (300 W)
- Low insertion loss
- High Isolation
- Compact size

**Benefits**

- Applicable for Radar and Communication systems
- More coverage
- Better system performance