Microwave Techniques WR187 C-Band circulators place emphasis on the selection and bias point of ferrite material to minimize insertion loss and maximize isolation at the frequency, bandwidth and power level of interest. The design and power handling capability of a circulator is determined by the sum of the forward and reflected power, the latter being a result of any mismatch present at the output of the device. The following specifications apply to a WR187, C-Band circulator:

**Frequency** | 5400 to 5900 MHz
---|---
**Peak Power** | 30 kW
**Average Power** | 120 W
**Flanges** | CPR-187 Flat or Grooved
**Material** | Aluminum 6061-T6
**Finish** | Chromate Golden (MIL-C-5541)

**Configurations:** readily supplied in “Y” or “T” configuration

**Designs for:** High Peak Power, High Average Power, Convection Cooled, Liquid Cooled

**Uses for:** source protection with Magnetrons, TWT’s, Klystrons & Solid State Amplifiers

**Environments:** Land, Mobile, Naval and Airborne

**Applications:** Accelerators, Radar Systems, Communication and Industrial Systems

**Qualified Units:** AWACS, TPS-78, ASR-9, TRC-170, SMART-L, HAWK

For more information, contact sales@microwavetechniques.com