

4.5kW Peak Power L-Band Drop-in Circulator



3G3NAG

Renaissance has released a new L-band 4.5 kW peak power drop-in circulator operating from 1 to 1.12 GHz. With insertion loss of less than 0.2 dB and with return loss and isolation over 23 dB, the circulator is ideal to duplex an antenna with HPA and a receiver. This circulator has been customized to withstand 50W of forward and 100 W of reverse power at the same instance without arcing or corona failures.

PRODUCT FEATURES

- High Peak Power (4.5 kW)
- High Average Power (50 W)
- Low insertion loss
- High Isolation

BENEFITS

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

SPECIFICATIONS

Frequency	1000 – 1120 MHz
Insertion loss	0.3 dB (max), 0.2 (typ)
Isolation	23 dB
VSWR	1.15:1
Peak Power	4.5 kW
Average Power	50 W
Size	1.25" x1.25" x .365"