



2.9 – 3.3 GHz, Drop-In Circulator, S-band, 3G5NAJ

Renaissance has released a new S-band 2.5 kW peak power drop-in circulator operating from 2.9 to 3.3 GHz. With insertion loss of less than 0.6 dB and with return loss and isolation over 19 dB, the circulator is ideal to duplex an antenna with HPA and a receiver. This circulator has been customized to withstand 250 W of forward and 150 W of reverse power at the same instance without arcing or corona failures.

Features and Benefits

- High Peak Power (2.5 kW)
- High Average Power (250 W)
- Low Insertion Loss
- High Isolation
- Applicable for Radar and Communication Systems
- Better System Performance

Specifications

Frequency	2.9 – 3.3 GHz
Insertion Loss	0.6 dB
Isolation	19 dB
VSWR	1.25:1
Peak Power	2.5 kW
Average Power	250 W
Size	0.75" X 0.75" X 0.3"