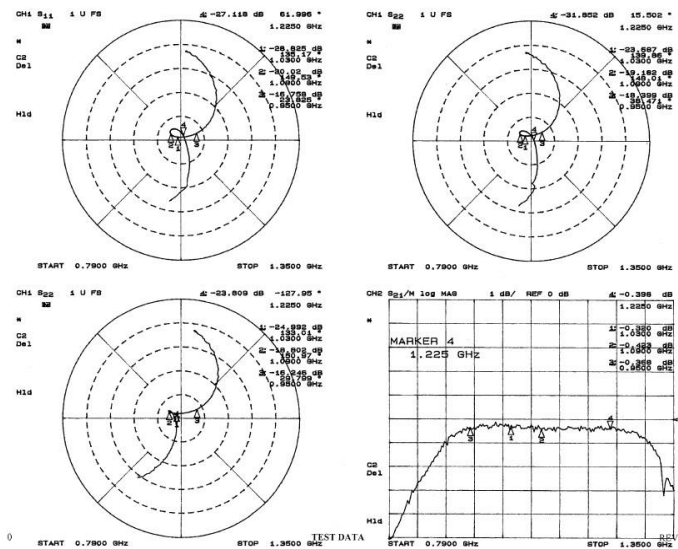




950 – 1225 MHz Surface Mount Circulator, L-band, 3SMC3NF-ROHS

Renaissance has designed a high power L-band SMT Circulator that has superior electrical performance with the advantage of being pick and place process compatible. Ideal for high volume production designs and a wide band performance from 950 to 1225 MHz, this circulator is ideal for IFF band applications.



Features and Benefits

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

Specifications

Frequency	950 – 1225 MHz
Insertion loss	0.4 dB @ 1030 - 1090 MHz 1.0 dB @ 950 – 1225 MHz
Isolation	18 dB @ 1030 – 1090 MHz 16.5 dB @ 950 – 1225 MHz
VSWR	1.38: 1
Power (CW) Power (PK)	50W AVG FWD & REV 400W
Temperature	-20°C to 60°C
Phase Stability $\pm 1.5^\circ$	10°C to 40°C @ 1030 – 1090 MHz
Size	1.07" x .345" x .818"