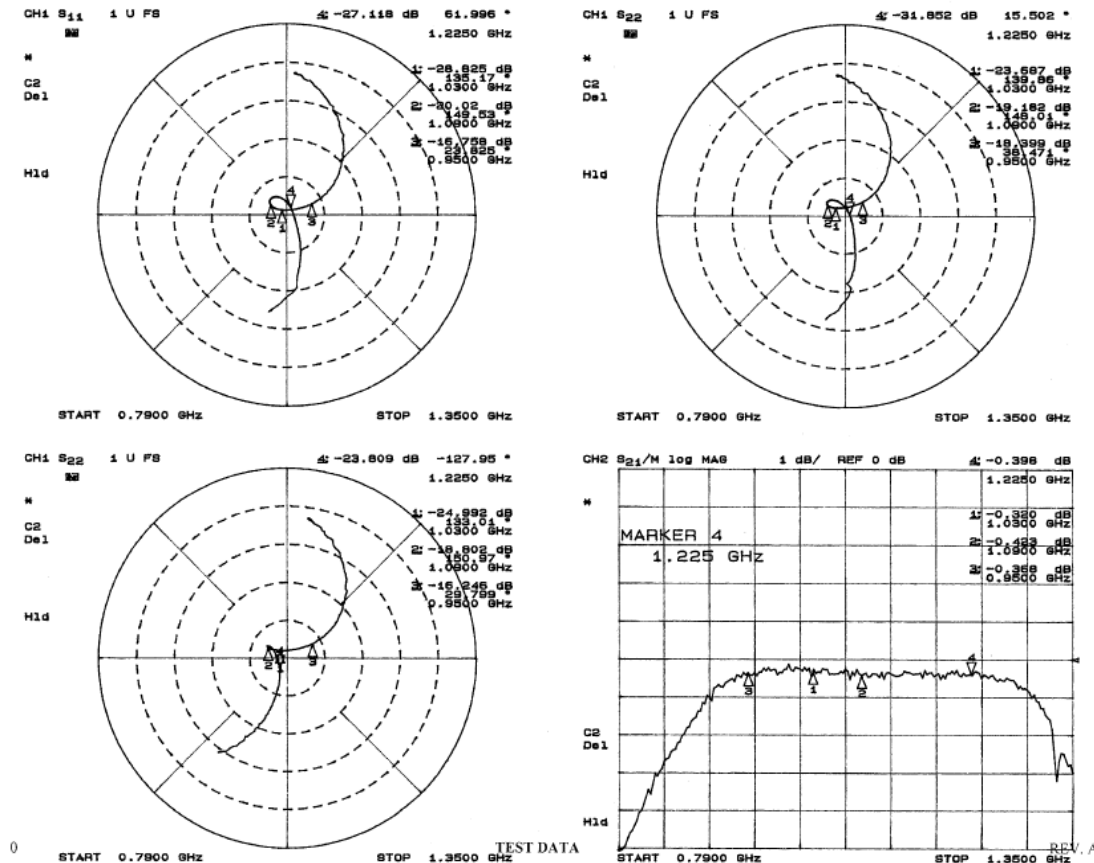


## 950 – 1225 MHz Surface Mount Circulator, L-band, 3SMC3NF-ROHS



3SMC3NF-ROHS

Renaissance's latest High Power L-band Surface Mount Circulator has superior electrical performance with the advantage of being pick and place process compatible and so is ideal for high volume production designs. With wide band performance from 950 to 1225 MHz, and low insertion loss of 0.4 dB between 1030 and 1090 MHz, the circulator is ideal for IFF band applications. In a compact size of ~ 1.07" sq., the design can handle 50 W average forward and reverse and 200W peak power levels.



## 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
- Industrial temperature range

## 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)	50W AVG FWD & REV
Power (PK)	400W
Temperature	-20°C to 60°C
Phase Stability ± 1.5°	10°C to 40°C @ 1030 – 1090 MHz
Size	1.068" x 1.07" x .345"