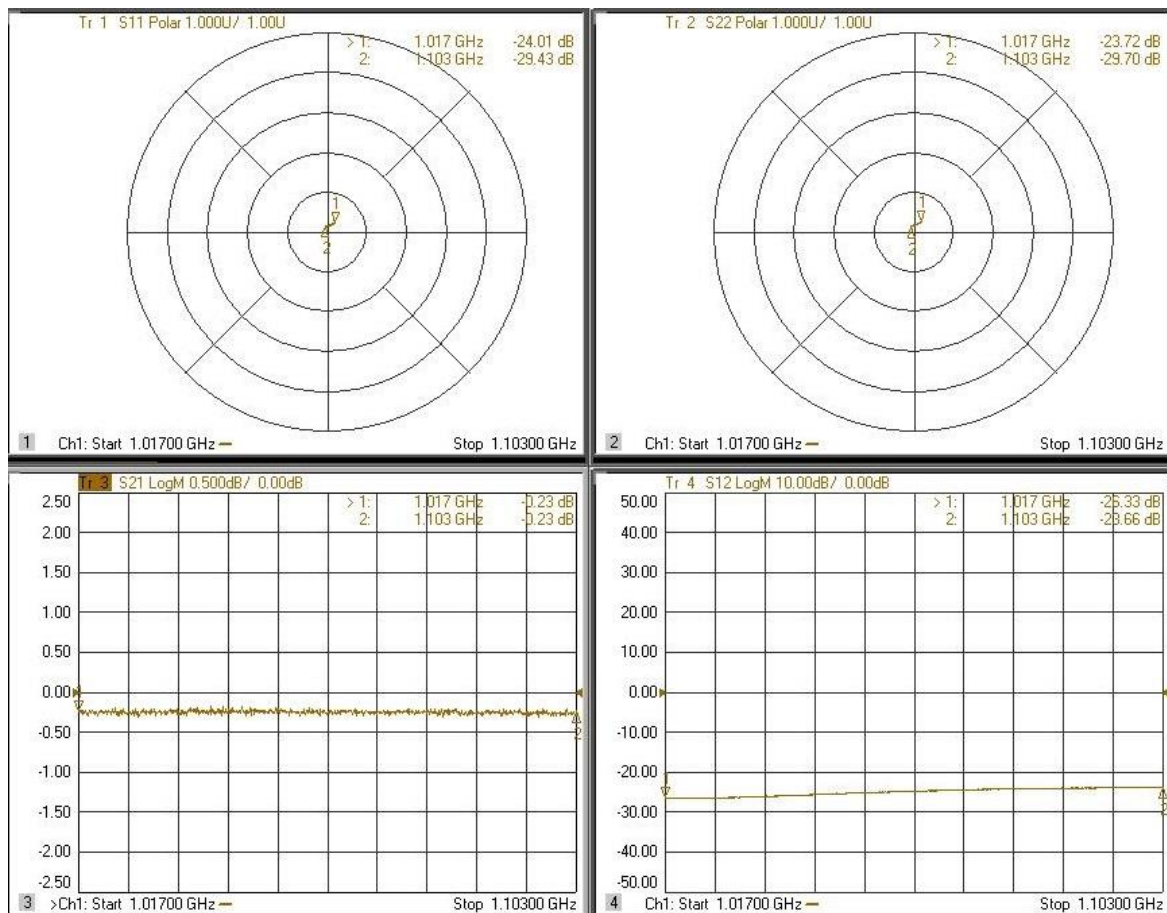


## 1017 – 1103 MHz Surface Mount Circulator, L-band



3SMC2NK

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 ideal for high volume production designs. With insertion loss of 0.35 dB and 20 dB return loss, along with power handling of 500W peak and 100W average, it is well suited to protect HPAs and to duplex HPA with Antenna and Receiver Circuitry. The circulator is also designed to operate at 10,000 feet altitude.



## Features and Benefits

- Ideal for flight applications (front-ends)
- Designed to handle high peak and average power level
- 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	1017 – 1103 MHz
Insertion loss	0.35 dB
Isolation	20 dB
Return Loss	20 dB
Power (CW)	100 Watt
Power (PK)	500 Watt
Temperature	-10°C to 80°C
Phase Stability	-40°C to 80°C @10,000FT
Size	1.000" x 1.07" x .345"