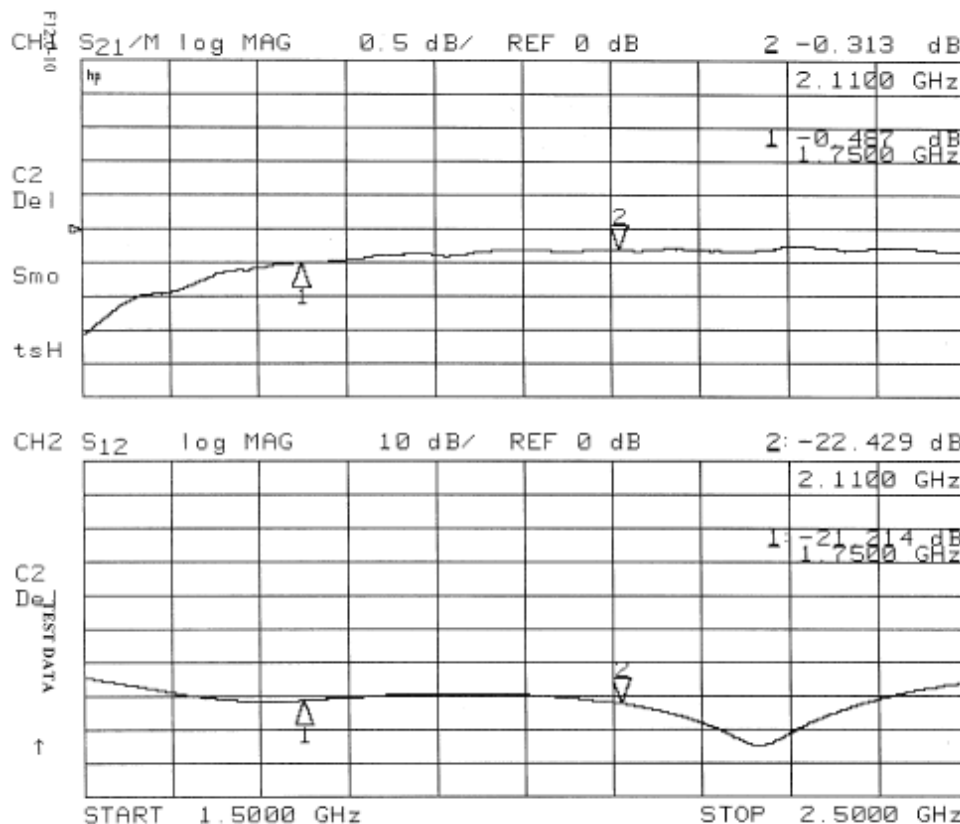


## 1.75 – 2.11 GHz Drop-in Circulator, S-band, 3G4NFC



Looking for a compact S-band circulator for Hi-Rel application? Renaissance has designed a new 0.875" SQ drop-in circulator that operates from 1.75 to 2.11 GHz with 0.4 dB loss. The design can sustain 1600 W peak and 800 W avg. while operating from -55 to 110°C temperature range.

**3G4NFC**



## Features and Benefits

- Designed for Hi-Rel applications such as military communication links and radars
- Optimized for lowest loss at 85°C making it suitable for protecting HPA's
- Designed for airborne applications and can sustain high pulsed RF signals without the risk of arcing or multipaction
- Low loss increases system's fidelity

## Specifications

Frequency	1.75 – 2.11 GHz
Insertion loss	0.4 dB, optimized for +85°C
Isolation	20 dB
VSWR	1.20: 1
Power	1600 W Peak, 50% duty cycle 800 W Avg
Temperature	-55°C to 110°C
Altitude	35,000 Feet
Size	.875" x .875" x .345"