



2.2 – 2.4 GHz Coaxial Circulator, S-band, 3A4NFB

Renaissance has developed a new S-band coaxial circulator that is designed for amplifiers used in space applications. The circulator can operate between 2.2 – 2.4 GHz with 0.5 dB insertion loss and 20 dB isolation and return loss. The design can handle 75 W over -40 to +95° C.

Features and Benefits

- Use of space qualified hardware, can withstand harsh environments
- High peak and average power handling
- Protects expensive amplifier circuits
- Compact size, optimized for space constrained applications

Specifications

| | |
|----------------|----------------------|
| Frequency | 2.2 – 2.4 GHz |
| Insertion loss | 0.5 dB |
| Isolation | 20 dB |
| VSWR | 1.25: 1 |
| Power CW | 75 W |
| Temperature | -45 to +95 °C |
| Size | 1.2" x 1.06" x 1.06" |