Renaissance has developed a new low cost, high power, drop-in isolator to protect expensive amplifiers from unwanted reflected power levels at S band frequencies. Covering 2.7 – 2.9 GHz, this isolator provides a VSWR of 1.25:1 at input and output ports with loss of 0.4 dB and isolation of 20 dB over -30 to +85 C. Optimized for Aeronautical Communication and Navigation Systems, this isolator can be provided in phased matched sets.

**Specifications**

- **Frequency**: 2.7 – 2.9 GHz
- **Insertion loss**: 0.4 dB (Max), 0.3 (Typ) dB
- **Isolation**: 20 dB
- **VSWR**: 1.25:1
- **Power CW**: 100 W
- **Reflected Power**: 50 W
- **Temperature**: -30 to 85 °C
- **Size**: .75” x 1.0” x 0.22”

**Features and Benefits**

- Low input and output VSWR
- Wide bandwidth
- Compact size
- High Reflected Power Handling Capability
- Phase Matched Sets
- Provides better match to receivers
- Covers most Satcom bands
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- Covers most Satcom bands
- Optimized for space constrained applications
- Optimized for Tx protection device
- Can be used in Phased Array Radar