1.020 – 1.040 GHz Drop-in Isolator, L-Band, 2H2NFG

Renaissance has designed a high-power drop-in isolator for IFF transceiver applications. Covering 1.02 – 1.04 GHz, this isolator has just 0.40 dB of insertion loss over -30 to +70 C while handling 100 W Forward and Reverse power levels. The design is covered under a US Patent that transfers all of the 100 W reflected to a thermally heat sunk portion of the steel housing.

**Specifications**
- Frequency: 1.02 – 1.04 GHz
- Insertion loss: 0.40 dB
- Isolation: 20 dB
- VSWR: 1.20: 1
- Power CW: 100 W
- Reflected Power: 100 W
- Temperature: -35 to 70 C°
- Size: 1.00” x 1.25” x 0.30”

**Features and Benefits**
- High Power Handling Capability
- Low insertion loss and high isolation
- Compact size
- Suitable for military radio applications
- Increases system efficiency
- Optimized for space constrained applications