



2.7 – 2.9 Drop-In Isolator S-Band, R2H4NNB

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.

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
- Provides better match to receivers
- Covers most Satcom bands
- Optimized for space constrained applications
- Optimized for Tx protection device
- Can be used in Phased Array Radar

Specifications

Frequency	2.7 – 2.9 GHz
Insertion loss	0.4 dB (Max), 0.3
(Typ) 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"