



### 9.3 – 9.4 GHz Surface Mount Circulator, X-band, 3SMH8ND

For use in radar and communication systems, Renaissance has designed an industry first, medium power handling surface mount circulator operating between 9.3 to 9.4 GHz. With a footprint of only 0.630" x 0.615", it is the smallest high power circulator available in the industry. 3SMH8ND exhibits insertion loss between 0.25 and 0.35 dB and isolation exceeding 25 dB at room temperature.

#### Features and Benefits

- True Surface Mount Design
- Stainless Steel Housing and Cover
- High Isolation and Low Insertion Loss
- Compact Size
- Eliminates cutouts in PCBs
- Robust Construction, Flight Qualified
- Optimized for Space Constrained Applications

#### Specifications

Frequency	9.3 – 9.4 GHz
Insertion Loss	0.6 dB
Isolation	20 dB
VSWR	1.25:1
Peak Power	100 W
Average Power	60 W
Temperature	-55 to +85°C
Size	.630" x .615" x .22"