

X band Surface Mount Circulator



3SMH8ND

Renaissance Electronics has produced 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.

PRODUCT FEATURES

- 10 GHz, 60 W Circulator
- True Surface Mount Design
- Stainless Steel Housing and Cover
- Low insertion loss
- High Isolation
- Compact size

BENEFITS

- Applicable for Radar and Communication systems
- Eliminates cutouts in PCBs
- Robust construction, flight qualified
- More power handling capability
- Better system performance
- 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"