



3SMH8NC

X band Surface Mount Circulator

Renaissance Electronics has produced an industry first, medium power handling surface mount circulator operating between frequency range of 9.19 to 10.01 GHz. With a footprint of only 0.630" x 0.615", it is the smallest high power circulator available in the industry. 3SMH8NC exhibits insertion loss between 0.35 and 0.45 dB and isolation exceeding 21 dB at room temperature.

PRODUCT FEATURES

- 10 GHz, 15 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	9.19 – 10.01 GHz
Insertion loss	0.6 dB
Isolation	17 dB
VSWR	1.35:1
Peak Power	100 W
Average Power	15 W
Temperature	-35 to 85 °C
Size	.630" x .615" x .22"