



**10A2BAD-2S**

## Power Divider, 10A2BAD-2S, Space Qualified

For space applications, Renaissance has designed a 1 – 30 MHz splitter with 0.2 dB loss that can handle 10W average and 100W peak in a compact 1.969” x 1.024” x 0.945”. The product is manufactured in a 100K clean room and screened per MIL-PRF-38534 Table C-111.

### Features and Benefits

- Space qualified design
- Meets NASA outgassing standards
- Sustains power levels without exhibiting multipaction
- DPA, X-ray, SEM analysis performed on production runs
- Screened for desired vibration, shock, humidity and thermal cycling

### Specifications

Frequency	1 – 30 MHz
Nominal Splitter Loss	3 dB
Insertion loss	0.2 dB
Isolation	29 dB
VSWR Input	1.15
VSWR Output	1.15
Phase Unbalance	±1°
Amplitude Unbalance	±0.1 dB
Forward Power	10 W CW
Reverse Power	1 CW
Peak Power	0.1 kW
Temperature	-25°C to 70°C
Impedance	50Ω
Size	1.969” x 1.024” x 0.945