



10A2BAF-2S

Power Divider, 10A2BAF-2S, Space Qualified

For space applications, Renaissance has designed a 220-450 MHz splitter with 0.2 dB loss that can handle 50W average in a compact 3.000" x 2.350" x 0.394". 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 | 220 – 450 MHz |
| Nominal Splitter Loss | 3 dB |
| Insertion loss | 0.2 dB |
| Isolation | 22 dB |
| VSWR Input | 1.25 |
| VSWR Output | 1.15 |
| Phase Unbalance | ±1° |
| Amplitude Unbalance | ±0.1 dB |
| Forward Power | 50 W CW |
| Reverse Power | 5 CW |
| Peak Power | 0.5 kW |
| Temperature | -45°C to 85°C |
| Impedance | 50Ω |
| Size | 3.00" x 2.35" x 0.394" |