

JA0727P47; 700 MHz – 2700 MHz 50W

- Solid-state Class AB design
- GaN on SiC Transistors
- High reliability and ruggedness
- Ultra Small Dimensions & Ultra Light Weight
- Forward/Reflected Power Monitorings
- Temperature and Current Monitorings
- Fast Switching Capability

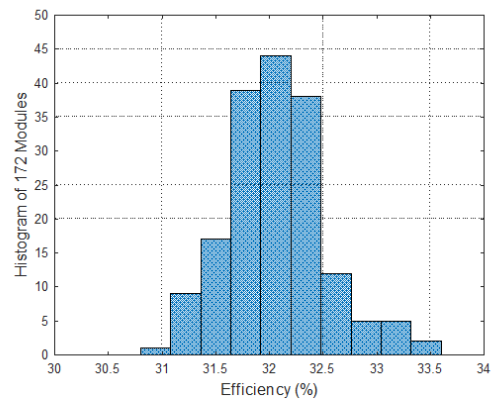


ELECTRICAL & ENVIRONMENTAL SPECIFICATIONS

| | |
|--------------------------------|---------------------|
| Frequency: | 700-2700 MHz |
| Output Power: | 50 W min. CW |
| Nominal Gain: | 47 dB |
| Gain Flatness: | ± 2.5 dB |
| Input VSWR: | 2:1 max. |
| Load VSWR for Survival: | ∞:1 for 1 min. |
| DC Supply Voltage: | 28 V |
| DC Current: | 5.5 A Avg |
| Enable Speed: | 3 μs max. |
| Operating Case Temp.: | -40 °C to 85 °C |
| Storage Temperature: | -40 °C to 85 °C |
| Shock: | MIL-STD-810F, 516.5 |
| Vibration: | MIL-STD-810F, 514.5 |

INTERFACES

| | |
|--------------------|------------------|
| RF Input: | SMA Female |
| RF Output: | SMA Female |
| 9-PIN DSUB: | 1) Enable |
| | 2) Forward Power |
| | 3) Current |
| | 4) Reverse Power |
| | 5) Temperature |
| | 6) 28 V |
| | 7) 28 V |
| | 8) GND |
| | 9) GND |



MECHANICAL SPECIFICATIONS

| | |
|--------------------|----------------------|
| Size (mm) : | 139.4 x 125.4 x 24.8 |
| (inch) : | 5.49 x 4.94 x 0.98 |
| Weight : | 650 gr. |
| Plating : | Yellow Chromate |

