



JA07002700P47; 700 MHz – 2700 MHz 50W AMPLIFIER

- 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

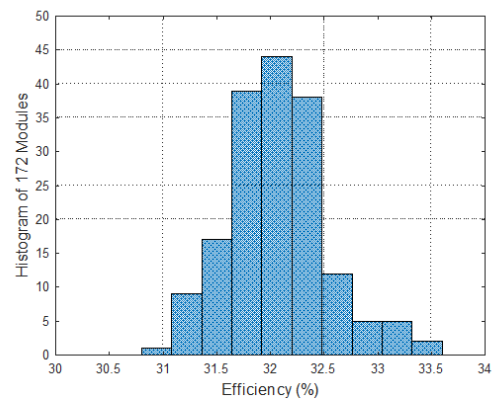


ELECTRICAL & ENVIRONMENTAL SPECIFICATIONS

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/G
Vibration:	MIL-STD-810F/G

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
Weight :	650 gr.
Plating :	Yellow Chromate

