



# JA18002200P47; 1800 MHz – 2200 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

<b>Frequency:</b>	1800-2200 MHz
<b>Output Power:</b>	50 W min. CW
<b>Nominal Gain:</b>	47 dB
<b>Gain Flatness:</b>	± 1.5 dB
<b>Input VSWR:</b>	2:1 max.
<b>Load VSWR for Survival:</b>	∞:1 for 1 min.
<b>DC Supply Voltage:</b>	32 V
<b>DC Current:</b>	4.8 A Avg
<b>Operating Case Temp.:</b>	-40 °C to 85 °C
<b>Storage Temperature:</b>	-40 °C to 85 °C
<b>Shock:</b>	MIL-STD-810F/G
<b>Vibration:</b>	MIL-STD-810F/G

## INTERFACES

<b>RF Input:</b>	SMA Female
<b>RF Output:</b>	SMA Female
<b>9-PIN DSUB:</b>	1) Temperature
	2) Current
	3) Forward Power
	4) 32V
	5) 32V
	6) Reverse Power
	7) Enable
	8) GND
	9) GND

## MECHANICAL SPECIFICATIONS

**Size (mm) :** 135 x 75 x 24  
**(inch) :** 5.31 x 2.95 x 0.95  
**Weight :** 460 gr.

