



# JA05002000P50; 500 MHz – 2000 MHz 100W AMPLIFIER

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



## ELECTRICAL & ENVIRONMENTAL SPECIFICATIONS

<b>Frequency:</b>	500-2000 MHz
<b>Output Power:</b>	90W min. 100 W typ. CW
<b>Nominal Gain:</b>	50 dB
<b>Gain Flatness:</b>	± 2 dB
<b>Input VSWR:</b>	2:1 max.
<b>Load VSWR for Survival:</b>	∞:1 for 1min.
<b>DC Supply Voltage:</b>	32 V
<b>DC Current:</b>	10 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>	N Female
<b>7W2 DSUB:</b>	A1) GND
	A2) 32 V
	1) Temp.
	2) Current
	3) Rev. Power
	4) Fwd. Power
	5) Enable

## MECHANICAL SPECIFICATIONS

**Size (mm) :** 206.3 x 86.4 x 21.5  
**Weight :** 800 gr.  
**Plating :** Yellow Chromate

