



# JA50006000P46; 5000 MHz – 6000 MHz 40W AMPLIFIER

- Solid-state Class AB design
- GaN on SiC Transistors
- High reliability and ruggedness
- Forward/Reflected Power Monitorings
- Temperature Monitoring
- Fast Switching Capability



## ELECTRICAL & ENVIRONMENTAL SPECIFICATIONS

<b>Frequency:</b>	5000-6000 MHz
<b>Output Power:</b>	40W min. CW
<b>Nominal Gain:</b>	46 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>	4.4 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) Enable
	2) Forward Power
	3) NC
	4) Reverse Power
	5) Temperature
	6) 32 V
	7) 32 V
	8) GND
	9) GND

## MECHANICAL SPECIFICATIONS

**Size (mm) :** 133.6 x 123.1x22.5  
**Weight :** 600 gr.  
**Plating :** Yellow Chromate

