



JA44006000P46; 4400 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

Frequency:	4400-6000 MHz
Output Power:	40W typ. 35W min. CW
Nominal Gain:	46 dB
Gain Flatness:	± 1.5 dB
Input VSWR:	2:1 max.
Load VSWR for Survival:	∞:1 for 1 min.
DC Supply Voltage:	32 V
DC Current:	4.2 A Avg
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) 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

