



JA00200500P47; 20 MHz – 500 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
- Enable Control



ELECTRICAL & ENVIRONMENTAL SPECIFICATIONS

Frequency:	20-500 MHz
Output Power:	50 W typ., 40 W min. CW
Nominal Gain:	47 dB
Gain Flatness:	± 2 dB
Input VSWR:	2:1 max.
Load VSWR for Survival:	∞:1 for 1 min.
DC Supply Voltage:	32 V
DC Current:	3.2 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) Current
	2) Temperature
	3) Enable (Active Low)
	4) Forward Power
	5) Reverse Power
	6) 32V
	7) 32V
	8) GND
	9) GND

MECHANICAL SPECIFICATIONS

Size (mm) :	90 x 90 x 22
(inch) :	3.55 x 3.55 x 0.87
Weight :	260 gr.
Plating :	Yellow Chromate

