



JA05000700P49; 500 MHz – 700 MHz 80W Amplifier

- Solid-state Class AB design
- MOS 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:	500-700 MHz
Output Power:	80 W CW
Nominal Gain:	49 dB
Gain Flatness:	± 1 dB
Input VSWR:	2:1 max.
Load VSWR for Survival:	∞:1 for 1 min.
DC Supply Voltage:	28 V
DC Current:	7.1 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:	N Female
9 D-SUB:	1) 28V
	2) 28V
	3) GND
	4) GND
	5) Enable (Active Low)
	6) Current
	7) Temperature
	8) Reflected Power
	9) Forward Power

MECHANICAL SPECIFICATIONS

Size (mm) :	166.5 x 94 x 23
(inch) :	6.55 x 3.7 x 0.9
Weight:	546 gr.
Plating :	Yellow Chromate

