



# JA00200100P49; 20 MHz – 100 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

<b>Frequency:</b>	20-100 MHz
<b>Output Power:</b>	80 W CW
<b>Nominal Gain:</b>	49 dB
<b>Gain Flatness:</b>	± 2 dB
<b>Input VSWR:</b>	2:1 max.
<b>Load VSWR for Survival:</b>	∞:1 for 1 min.
<b>DC Supply Voltage:</b>	28 V
<b>DC Current:</b>	6.5 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) 28 V
	2) 28 V
	3) Current
	4) Enable (Active Low)
	5) Temperature
	6) GND
	7) GND
	8) Forward Power
	9) Reverse Power

## MECHANICAL SPECIFICATIONS

<b>Size (mm) :</b>	109 x 109 x 37
<b>(inch) :</b>	4.29 x 4.29 x 1.46
<b>Weight :</b>	480 gr.
<b>Plating :</b>	Yellow Chromate

