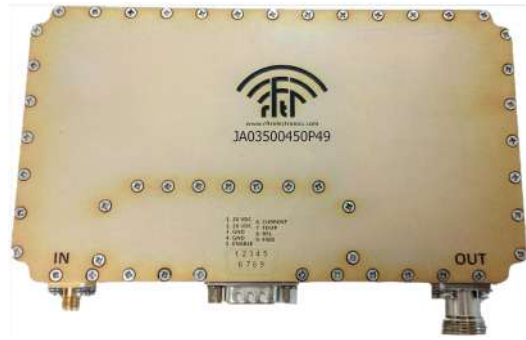




# JA03500450P49; 350 MHz – 450 MHz 80W Amplifier

- 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>	350-450 MHz
<b>Output Power:</b>	80 W CW
<b>Nominal Gain:</b>	49 dB
<b>Gain Flatness:</b>	± 0.5 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>	7.7 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>	N Female
<b>9 D-SUB:</b>	1) 28V
	2) 28V
	3) GND
	4) GND
	5) Enable (Active Low)
	6) Current
	7) Temperature
	8) Reflected Power
	9) Forward Power

## MECHANICAL SPECIFICATIONS

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

