



# JA02000380P54FS; 200 MHz – 380 MHz 250W Amplifier

- Solid-state Class AB design
- Ruggedized 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>	200-380 MHz
<b>Output Power:</b>	250 W CW
<b>Nominal Gain:</b>	54 dB
<b>Gain Flatness:</b>	± 2 dB
<b>Input VSWR:</b>	2:1 max.
<b>Load VSWR for</b>	∞:1 for 1 min.
<b>Survival:</b>	
<b>DC Supply Voltage:</b>	28 V
<b>DC Current:</b>	21 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>7W2 COMBO:</b>	A1) GND A2) 28 V 1) N.C. 2) Temperature* 3) Enable (Active Low) 4) Forward Power 5) Reflected Power

$$*Temp(^{\circ}C) = (Voltage(mV) - 1000) / 20$$

## MECHANICAL SPECIFICATIONS

<b>Size (mm) :</b>	190 x 170 x 34
<b>(inch) :</b>	7.48 x 6.69 x 1.34
<b>Weight :</b>	1560 gr.
<b>Plating :</b>	Yellow Chromate

