



# JA04006000P37; 400 MHz – 6000 MHz 5W AMPLIFIER

- Solid-state Class AB design
- GaN on SiC Transistors
- High reliability and ruggedness
- Ultra Small Dimensions & Ultra Light Weight
- Fast Switching Capability



## ELECTRICAL & ENVIRONMENTAL SPECIFICATIONS

<b>Frequency:</b>	400-6000 MHz
<b>Output Power:</b>	5 W min. @ 600-6000 MHz 3W typ. @ 400-600 MHz
<b>Nominal Gain:</b>	37 dB
<b>Gain Flatness:</b>	± 4.5 dB
<b>Input VSWR:</b>	2:1
<b>DC Supply Voltage:</b>	28 V
<b>DC Current:</b>	0.75 A typ.
<b>Operating Case Temp.:</b>	-40 °C to 80 °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>Feedthrough-1:</b>	28V DC
<b>Feed-1 Shield:</b>	GND
<b>Feedthrough-2:</b>	Enable (Active Low)

## MECHANICAL SPECIFICATIONS

<b>Size (mm) :</b>	82 x 50.9 x 13.5
<b>Weight :</b>	110 gr.
<b>Plating :</b>	Yellow Chromate

