



# JA57005900P43; 5700 MHz – 5900 MHz 20W AMPLIFIER

- Solid-state Class AB design
- GaN on SiC Transistors
- High reliability and ruggedness
- Forward/Reflected Power Monitorings
- Temperature Monitoring



## ELECTRICAL & ENVIRONMENTAL SPECIFICATIONS

|                                |                 |
|--------------------------------|-----------------|
| <b>Frequency:</b>              | 5700-5900 MHz   |
| <b>Output Power:</b>           | 20 W min. CW    |
| <b>Nominal Gain:</b>           | 43 dB           |
| <b>Gain Flatness:</b>          | ± 1.5 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>             | 2.6 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) Enable        |
|                    | 2) Forward Power |
|                    | 3) NC            |
|                    | 4) Reverse Power |
|                    | 5) Temperature   |
|                    | 6) 28 V          |
|                    | 7) 28 V          |
|                    | 8) GND           |
|                    | 9) GND           |

## MECHANICAL SPECIFICATIONS

**Size (mm) :** 110x 109 x 23  
**Weight :** 450 gr.  
**Plating :** Yellow Chromate

