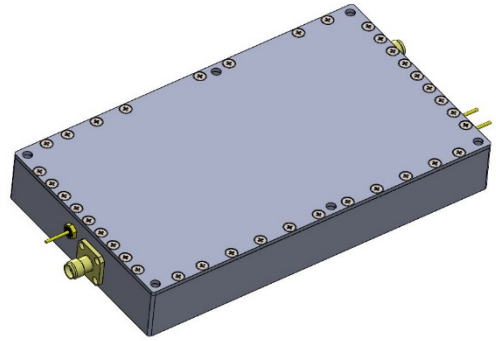




# RAM2833P58; 2.8 GHz – 3.3 GHz 650W AMPLIFIER

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



## ELECTRICAL & ENVIRONMENTAL SPECIFICATIONS

<b>Frequency:</b>	2.8-3.3 GHz
<b>Output Power:</b>	650 W typ. 600 W min. (%10 300 $\mu$ s)
<b>Nominal Gain:</b>	10 dB typ. 9 dB min.
<b>Gain Flatness:</b>	$\pm 1$ dB
<b>Input VSWR:</b>	2:1 max.
<b>Load VSWR for Survival:</b>	$\infty$ :1
<b>DC Supply Voltage:</b>	50 V
<b>Efficiency:</b>	% 45 typ.
<b>Enable Speed:</b>	1 $\mu$ s max.
<b>Pulse Droop :</b>	0.5 dB (%10 100 $\mu$ s)
<b>Rise / Fall Time</b>	50 nsec max.
<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>50V :</b>	Feedthrough
<b>GND :</b>	Feedthrough
<b>Enable :</b>	Feedthrough

## MECHANICAL SPECIFICATIONS

**Size (mm) :** 137.3 x 78.6 x 20  
**Weight (gr) :** 450 max.  
**Plating :** Yellow Chromate

