

### 0.5 – 2.0 GHz +43dBm GaN HP SSPA Module

#### FEATURES

- $P_{sat}$ : +43dBm
- Bias Condition: ~2.2A@+28V
- Small Signal Gain: 46dB, typ.

#### ELECTRICAL SPECIFICATIONS (Specified at 25 °C)

Symbol	Description	Min.	Typ.	Max.	Unit
<b>FREQ</b>	Frequency Range	0.5		2	GHz
<b>SSG</b>	Small Signal Gain		46		dB
<b><math>P_{sat}</math></b>	Saturation Output Power	+43			dBm
<b>VSWR, IN</b>	Input VSWR			2.0:1	-
<b>VSWR, OUT</b>	Output VSWR			2.0:1	-
<b>Vdc</b>	DC Supply Voltage(internal regulator included)	+27	+28	+30	Volt
<b>Idc</b>	DC Current Supply, @ $P_{sat}$		2.2		A
<b>OTR</b>	Operating Temperature Range, baseplate	-30		+65	°C
<b>RF/DC</b>	RF Connectors	RF Input : SMA Female ; RF Output : SMA Female			
	DC Connectors	DC: Feedthrough Soldered pins(x3) ; Ground: GND Lug			

**MECHANICAL HOUSING(CASE) Dimension:** 4.5”(L) x 3.5”(W) x 0.63”(H), unit is inch