

CHP-4G5G-4044-S is a complete solid state microwave power amplifier module that features high efficiency, high output power and wide dynamic range. It is based on advanced microwave device technology and provides long-term reliability and high ruggedness.

Features:

- 4.0-5.0 GHz ultra-broadband
- Psat: 44 dBm Min
- High efficiency, High reliability and ruggedness
- Built-in protection circuits

Electrical Specifications:

- Frequency: 4.0-5.0 GHz
- Power Gain: 40 dB Min
- Gain Flatness: ±2.0 dB Max
- Power Output: +44 dBm Min
- Harmonics: -50 dBc Typ
- Non Harmonics Spurious: -60 dBc Min
- Noise Figure: 3 dB Typ
- Input Power: +20 dBm Max
- Input Return Loss: 14 dB Min
- Output Return Loss: 17 dB Min
- DC Voltage: +12 V Typ
- DC Supply Current: 13 A Typ

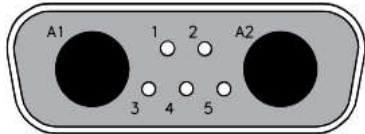
Environmental Ratings:


- Temperature: 0°C to +60 °C Operating
-40 °C to +70 °C Non-Operating
- Vibration: MIL-STD-202F, Method 204D Cond. B
- Altitude: MIL-STD-202F, Method 105C Cond. B
- Temperature Cycle: MIL-STD-202F, Method 107D Cond. A

Mechanical Specifications:

Parameter	Specification
Dimensions WxHxD	7.87×5.51×3.94mm
RF Connectors In/Out	SMA-F
DC Connector	7W2 D-SUB
Cooling	External Heatsink

DC Connector PIN Assignment:

Pin	Function	Pin Definition
A1	+28V	
A2	GND	
1	O/T ALARM	
2	CURRENT MONITOR	
3	TTL(0V=ON,+5V=OFF)	
4	FWD DET	
5	REV DET	

SOLID STATE HIGH POWER AMPLIFIER CHP-4G5G-4044-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	
CHECKRD:	DATE: 14/05/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

