

CHP-6G18G-4646-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:

- 6.0-18.0 GHz ultra-broadband
- Psat: 40W Typ
- High efficiency, High reliability and ruggedness
- Built-in protection circuits

Electrical Specifications:

- Frequency: 6.0-18.0 GHz
- Power Gain: 46 dB Min
- Gain Flatness: ±3 dB Typ
- Power Output: +46 dBm Typ
- Harmonics: -10 dBc Typ
- Non Harmonics Spurious: -60 dBc Typ
- Input Power: +20 dBm Max
- Input Return Loss: 10 dB Min
- Output Return Loss: 10 dB Min
- DC Voltage: +28 V Typ
- DC Supply Current: 10.0 A Typ

Environmental Ratings:

- Temperature: -20°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	114.3x228.6x25.4mm
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	Temperature	
2	TTL(0V:ON,+5V:OFF)	
3	Alarm	
4	GND	
5	NC	

SOLID STATE HIGH POWER AMPLIFIER			
CHP-6G18G-4646-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	
CHECKRD:	DATE: 14/05/15	SHEET : 1 OF 1	
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.