

CHP-2G18G-4040-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:

- 2.0-18.0 GHz ultra-broadband
- Psat:10W Typ
- High efficiency, High reliability and ruggedness
- Built-in protection circuits

Electrical Specifications:

- Frequency: 2.0-18.0 GHz
- Power Gain: 40 dB Min
- Gain Flatness: ±5 dB Typ
- Power Output: +40 dBm Typ
- Harmonics: -15 dBc Typ
- Non Harmonics Spurious: -60 dBc Typ
- Input Power: 0 dBm Max
- Input Return Loss: -10 dB Max
- Output Return Loss: -10 dB Typ
- DC Voltage: +27 to +29 V
- DC Supply Current: 2.5 A Typ

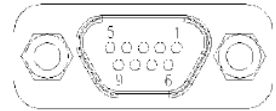
Environmental Ratings:


- Temperature: -20°C to +65 °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:

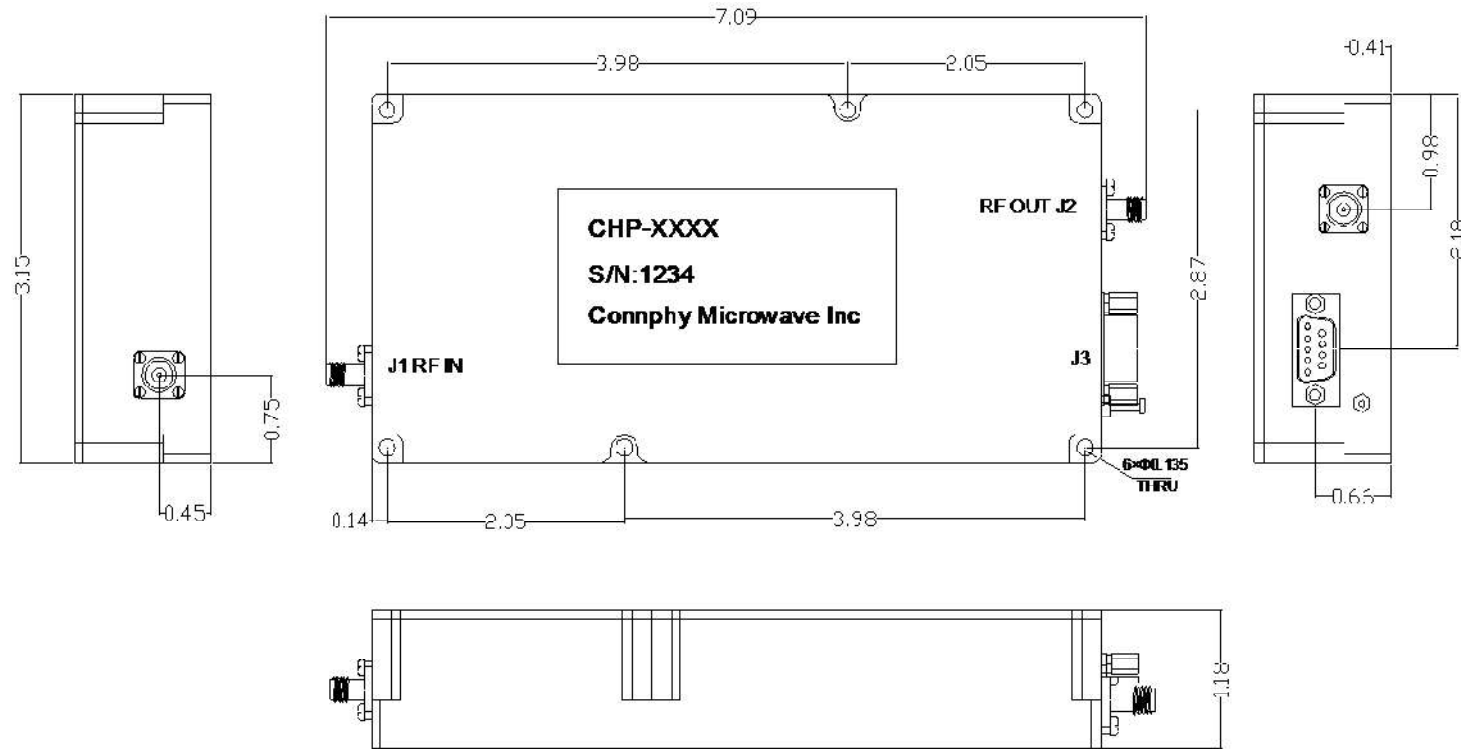
Parameter	Specification
Dimensions WxHxD	160 X 80 X 30 mm
RF Connectors In/Out	SMA-F
DC Connector	J30J-9ZK
Cooling	External Heatsink

DC Connector PIN Assignment:

Pin	Function	Pin Definition
1-4	+28V	
6-9	GND	
5	NC	

SOLID STATE HIGH POWER AMPLIFIER			
CHP-2G18G-4040-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 14/05/15	SHEET : 1 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.

Mechanical Outline (Inches):




Environmental Ratings:

Temperature:	-20°C to +65 °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

SOLID STATE HIGH POWER AMPLIFIER

CHP-2G18G-4040-S

DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 www.connphy.com sales@connphy.com
CHECKRD:	DATE: 14/05/15	SHEET : 2 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
			Notes: SPEC ARE SUBJECT TO CHANGE WITHOUT NOTICE.