

CHP-8G10G-3540-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:

- 8.0-10.5 GHz ultra-broadband
- Psat: 10 W Min
- High efficiency, High reliability and ruggedness
- Built-in protection circuits

Electrical Specifications:


- Frequency: 8.0-10.5 GHz
- Power Gain: 35 dB Min
- Gain Flatness: ±1.0 dB Max
- Power Output: +41 dBm Typ
- Noise Figure: 5 dB Typ
- Non Harmonics Spurious: -60 dBc Min
- Input Power: +15 dBm Max
- Input Return Loss: 10 dB Min
- Output Return Loss: 14 dB Min
- DC Voltage: +12 V Typ
- DC Supply Current: 7 A Typ

Environmental Ratings:

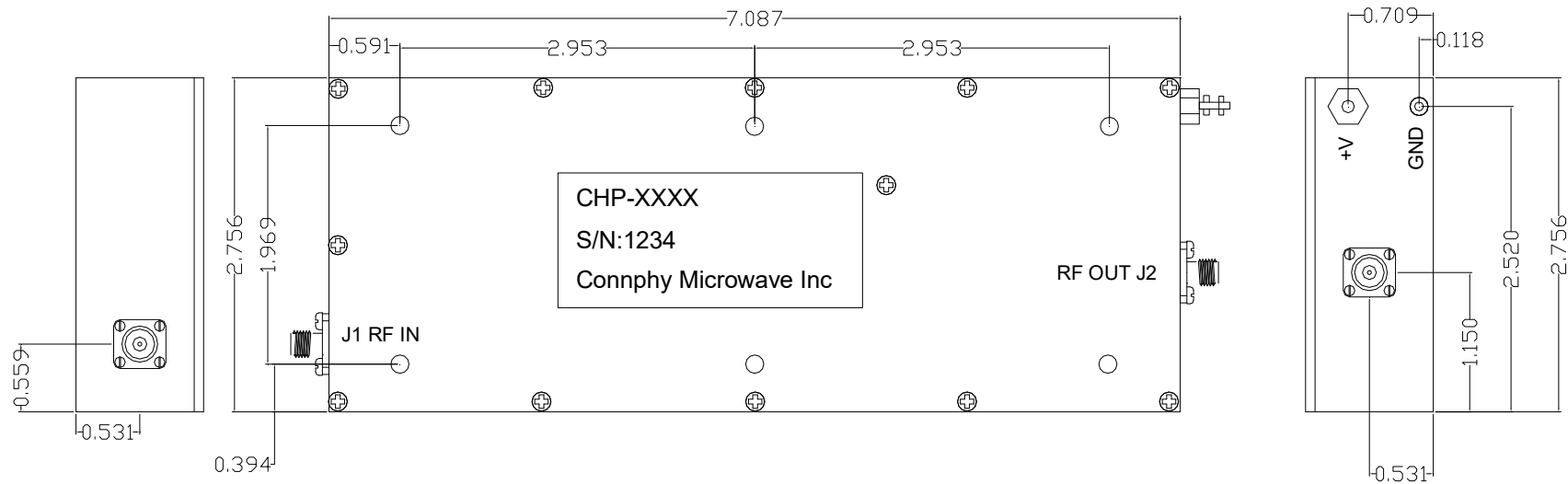
- Temperature: -20°C to +65 °C Operating
-40 °C to +70 °C Non-Operating
- Vibration: MIL-STD-202F, Method 204D Cond. B
- Altitude: MIL-STD-202F, Method 105C Cond. B
- Temperature Cycle: MIL-STD-202F, Method 107D Cond. A

Mechanical Specifications:

Parameter	Specification
Dimensions WxHxD	7.078×2.756×1.00Inches
RF Connectors In/Out	SMA-F
DC Connector	solder pin
Cooling	External Heatsink

SOLID STATE HIGH POWER AMPLIFIER CHP-8G10G-3540-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

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

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CHECKRD:	DATE: 14/05/15	SHEET : 2 OF 2	
ISSUED:	SIZE: A	SCALE : N / A	
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