

**CHP-6.4G7.2G-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:

- 6.4-7.2 GHz ultra-broadband
- Psat: 10 W Min
- High efficiency, High reliability and ruggedness
- Built-in protection circuits

**Electrical Specifications:**


- Frequency: 6.4-7.2 GHz
- Power Gain: 40 dB Typ, 38dB Min
- Gain Flatness: ±0.5 dB Max
- Output P1db: +39 dBm Min
- Output Psat: +40.5 dBm Typ
- Noise Figure: 4 dB Typ
- Non Harmonics Spurious: -60 dBc Min
- Input Power: +10 dBm Max
- Input Return Loss: 10 dB Min
- Output Return Loss: 14 dB Min
- DC Voltage: +12 V Typ
- DC Supply Current: 5 A Typ

**Environmental Ratings:**

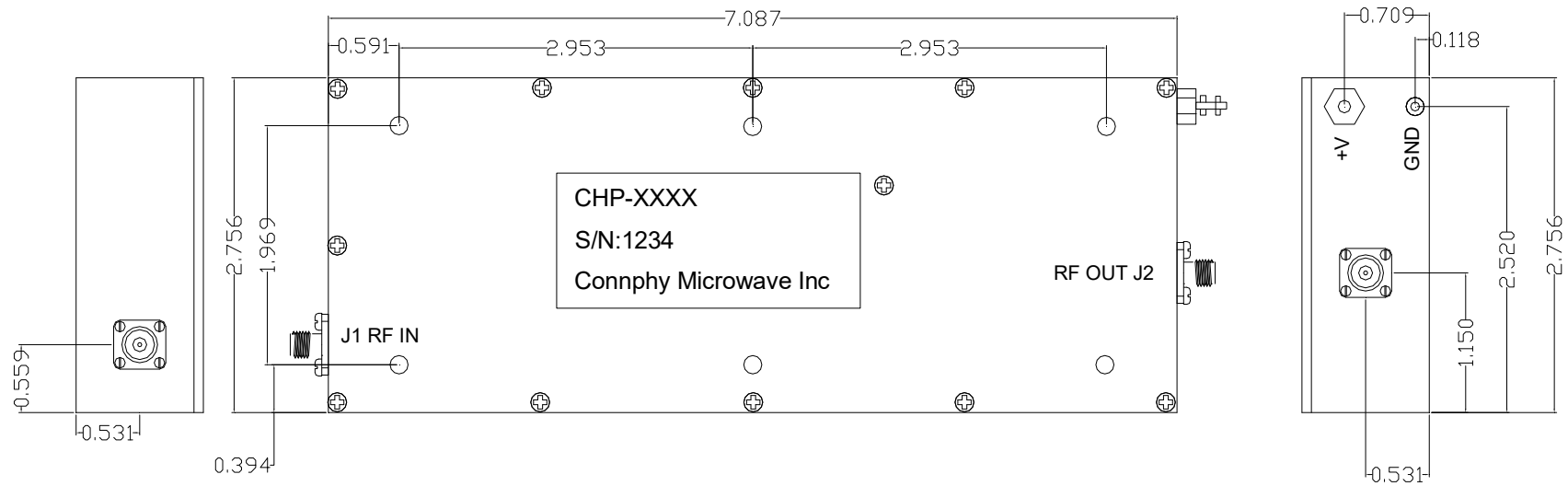
- Temperature: 0°C to +60 °C Operating  
-40 °C to +70 °C Non-Operating
- Vibration: MIL-STD-202F, Method 204D Cond. B
- Altitude: MIL-STD-202F, Method 105C Cond. B
- Temperature Cycle: MIL-STD-202F, Method 107D Cond. A

**Mechanical Specifications:**

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

SOLID STATE HIGH POWER AMPLIFIER			
CHP-6.4G7.2G-4040-S			
DRAWN:	DWG NO.:	REV CODE: Rev.1.0	 <b>CONNPHY</b> Microwave Inc. <a href="http://www.connphy.com">www.connphy.com</a> <a href="mailto:sales@connphy.com">sales@connphy.com</a>
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:	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

### SOLID STATE HIGH POWER AMPLIFIER

#### CHP-6.4G7.2G-4040-S

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