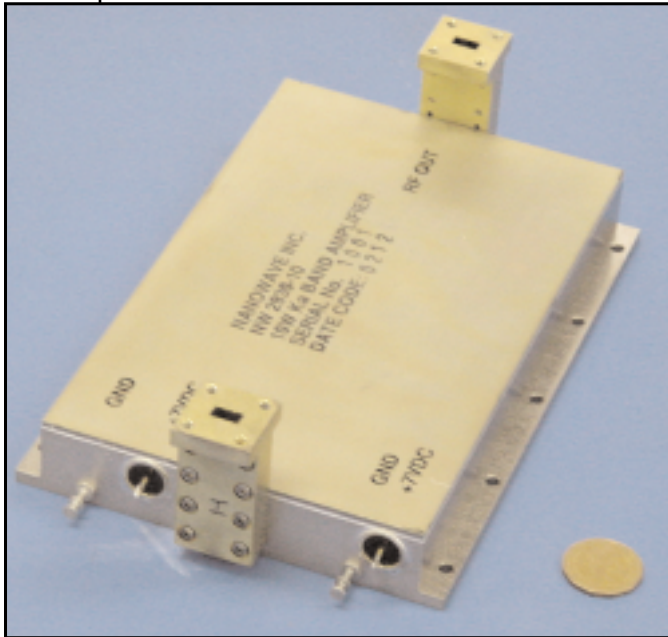




## KA-BAND SOLID STATE POWER AMPLIFIER

### MODEL NW2930-10



### FEATURES

- Operating Frequency: 28.5 - 30 GHz
- Output Power: 10 W
- High Gain
- Low Spurious
- Excellent Return Losses

### PACKAGING

- Hermetically sealed
- WR28
- Finish: Nickel Plating

### APPLICATIONS

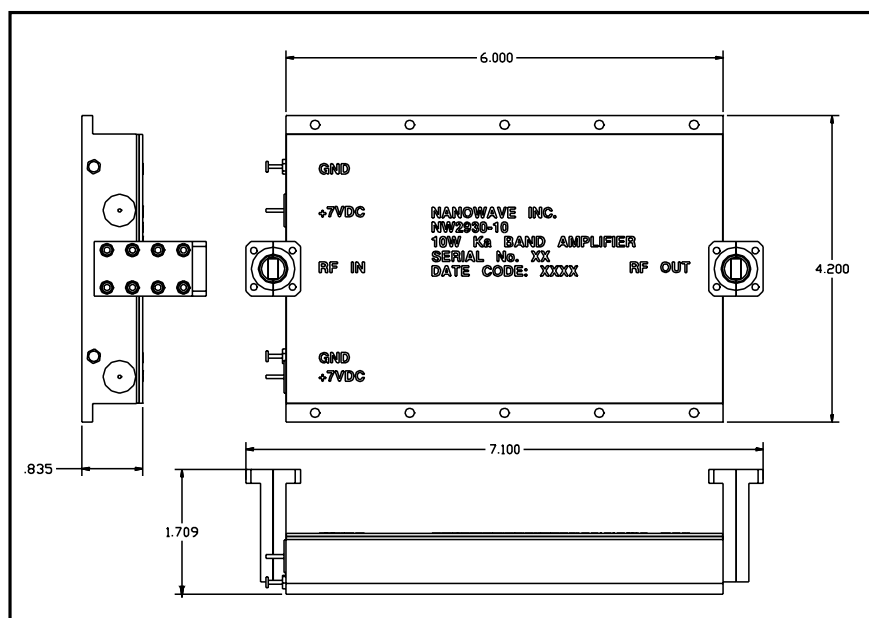
- Satcom

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## OUTLINE DIAGRAM



## CHARACTERISTICS

PARAMETER	UNITS	CONDITIONS	MIN.	MAX.	TYPICAL
Frequency Range	GHz		28.5	30	
Input Power	dBm			15	
Output Power P@1dB	dBm		39.5	40.6	40.2
Gain	dB		55	58.7	58
Gain Flatness	dB	Over any 40 MHz frequency range: - 30°C + 25°C + 60°C		± 0.5 ± 0.5 ± 0.5	± 0.15 ± 0.1 ± 0.1
Worst Case Gain Variation	dB, pp	Range: -30 - +60°C		± 1.5 ± 1.5 ± 1.5	± 1.0 at 28.5 GHz ± 1.2 at 29.5 GHz ± 1.5 at 30 GHz
Input Return Loss S <sub>11</sub>	dB	+ 25°C		- 8	- 8.5
Output Return Loss S <sub>22</sub>	dB	+ 25°C		- 8	- 8
Spurious	dBc			-50	Less than -50
Supply Voltage	V				7 V regulated
Supply Current	A	- 30°C + 25°C + 60°C		25 25 25	22.6 17.1 14.0
Operating Case Temperature	°C		- 35	+ 70	

Specifications are subject to change without notification. Consult Nanowave Technologies, Inc. for specific applications/requirements.