



**DS INSTRUMENTS**

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## PA6000L – 7GHZ VARIABLE-GAIN 1WATT MICROWAVE AMPLIFIER



The new industry standard in affordable, reliable, and compact microwave equipment.

### - REV 10 Features and Figures -

- Wideband frequency range: 500MHz – 7GHz
- Variable gain from +3 to +34dB
- High output power of +30dBm (1 Watt)
- Temperature & voltage monitoring
- Premium gold microwave SMA connectors
- Typical noise figure (1.0-7.0GHz): 6dB
- Dual USB Type-C powered
- Gain control buttons & LEDs
- USB Type-C virtual COM serial control
- PC control application included



### Serial Commands (115.2Kbps, 8N1)

OUTP:STAT ON	- Enable Power Amp
OUTP:STAT OFF	- Disable Power Amp
*UNITNAME TomJ	- Set a custom nickname for this unit
*UNITNAME ?	- Return user set device nickname
*IDN?	- Return standard identification string
*TEMP?	- Return temperature in C
GAIN 12.5	- Set the gain
GAIN?	- Return current gain setting



**Max input power: +10dBm!**  
**Do not enable RF output without a load connected!**

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