

# CR Electronic Design

## Woodham 300B "Class A" Amplifier

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The beginning of 1999 saw the launch of the Woodham 300B, two mono single ended triode amplifiers built into one chassis.

Each amplifier has its own power supply and output transformer, using uniquely CR designed toroidal transformers.

One legendary 300B output triode tube is in each amplifier, driven by a 6SN7 dual triode.



There is no negative feedback employed in the circuit, which is inherently very linear. The 300B supplied with the amplifier is made by Sovtek in Russia, however both the Western Electric 300B and KR 300B can be supplied to special order.

There is no doubt the Western Electric 300B offers amazing sound quality, but other brands of tube are very close behind, each offering a subtly different presentation.

The power output of the Woodham is about 8 watts of pure triode magic for each channel. However, by paralleling the inputs and putting the outputs in series, which is a simple operation, the Woodham offers 16 watts in mono. It is this flexibility that makes the Woodham 300B so unique. In some ways the Woodham represents a break from CR 's traditions.

The chassis is finished in a smart glossy green and the amplifier is not named after mythological beings, like the other CR Amps.

The Woodham takes its name from a small village, which nestles in the Essex countryside, the home county to CR itself.

SPECIFICATIONS		TUBE LINEUP		DIMENSIONS	
Configuration	Dual Class A	Output	300B x 2	Unpacked	430x390x180mm
Power Output	8+8 Watts RMS	Pre-driver	6SN7 x 3	Packed	540x455x245mm
Response	20Hz-20KHz $\pm$ 1dB			Weight Net	15Kg
Distortion	<1.0% 1W@1KHz			Weight Gross	18Kg
Noise	<600 $\mu$ V				
Number of Inputs	1 Line				
Input Level (for Rated Output)	Line 1.2V				
Load Impedance	4 & 8 Ohms				
Power Consumption	130 Watts				
Line Voltage	115/230 Volts				