






The **SLEWMASTER**
series
by Ostripper



SLEWMASTER
HIGH PERFORMANCE POWER AMPLIFIER

-  **SPOOKY**
-  **KYPTON-C**
-  **SYMASUI**
-  **WOLVERINE**
-  **SLEWMONSTER**

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SLEWMASER SERIES

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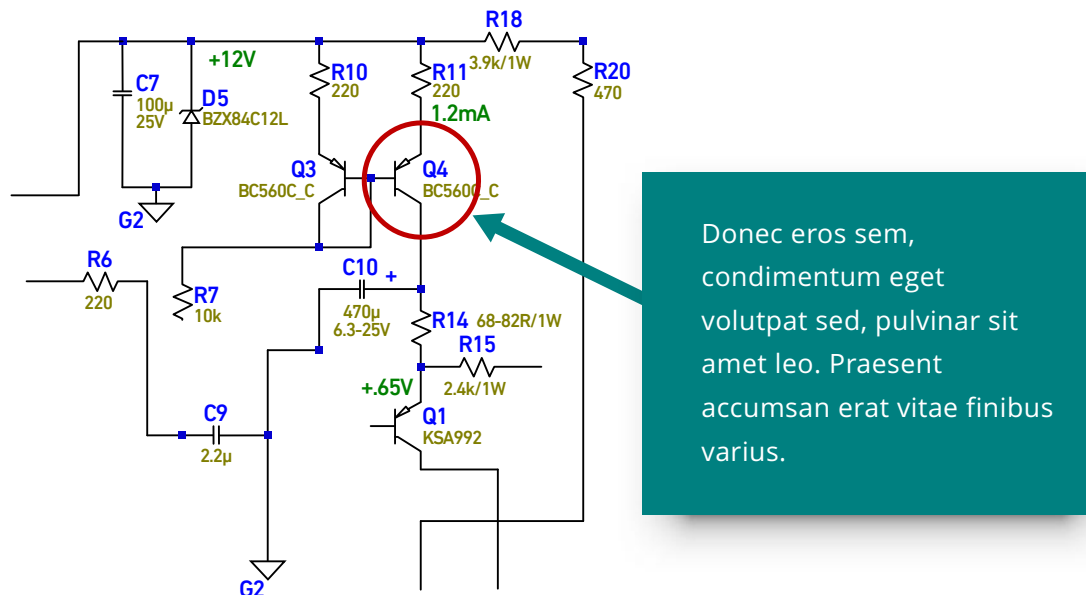
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HISTORY

The Beginnings

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COMPARISON TABLE

SPOOKY

Feedback	VFA
Frequency response	XX Hz – XXX kHz -3 dB 1 W into 8 Ω XX Hz– XX MHz – front end filter disabled – 1 W into 8 Ω Power bandwidth ~ XXX kHz*
Distortion (RMS)	80 W 8 Ω 0.XXX% at 20 kHz; 15 W 8 Ω 0.XXX% at 1 kHz 50 W 8 Ω 0.XXX% at 1 kHz; 100 W at \leq 0.XX% distortion 20 Hz to 20 kHz
Input Sensitivity & Impedance	1.2 V into XX k Ω // [1 k Ω +XXX pF]; ~10 k Ω at 1 kHz
Loop gain	XX dB at 1 kHz; XX dB; -3 dB at XX kHz (simulation)
Closed loop gain	XX dB; -3 dB at XXX kHz; phase lag $<X^\circ$ at 20 kHz (front end filter in-situ)
Slew rate	>XXX V/ μ s (front end filter disabled) c. XXX V/ μ s (front end filter enabled)
Small signal rise time (10-90%)	<XXXns with front end filter <XXX ns with front end filter disabled

KYPTON-C

Feedback	CFA
Frequency response	XX Hz – XXX kHz -3 dB 1 W into 8 Ω XX Hz– XX MHz – front end filter disabled – 1 W into 8 Ω Power bandwidth ~ XXX kHz*
Distortion (RMS)	80 W 8 Ω 0.XXX% at 20 kHz; 15 W 8 Ω 0.XXX% at 1 kHz 50 W 8 Ω 0.XXX% at 1 kHz; 100 W at \leq 0.XX% distortion 20 Hz to 20 kHz
Input Sensitivity & Impedance	1.2 V into XX k Ω // [1 k Ω +XXX pF]; ~10 k Ω at 1 kHz
Loop gain	XX dB at 1 kHz; XX dB; -3 dB at XX kHz (simulation)
Closed loop gain	XX dB; -3 dB at XXX kHz; phase lag $<X^\circ$ at 20 kHz (front end filter in-situ)
Slew rate	>XXX V/ μ s (front end filter disabled) c. XXX V/ μ s (front end filter enabled)
Small signal rise time (10-90%)	<XXXns with front end filter <XXX ns with front end filter disabled

COMPARISON TABLE

SYMASUI

Feedback	VFA
Frequency response	XX Hz – XXX kHz -3 dB 1 W into 8 Ω XX Hz– XX MHz – front end filter disabled – 1 W into 8 Ω Power bandwidth ~ XXX kHz*
Distortion (RMS)	80 W 8 Ω 0.XXX% at 20 kHz; 15 W 8 Ω 0.XXX% at 1 kHz 50 W 8 Ω 0.XXX% at 1 kHz; 100 W at \leq 0.XX% distortion 20 Hz to 20 kHz
Input Sensitivity & Impedance	1.2 V into XX k Ω // [1 k Ω +XXX pF]; ~10 k Ω at 1 kHz
Loop gain	XX dB at 1 kHz; XX dB; -3 dB at XX kHz (simulation)
Closed loop gain	XX dB; -3 dB at XXX kHz; phase lag $<X^\circ$ at 20 kHz (front end filter in-situ)
Slew rate	>XXX V/ μ s (front end filter disabled) c. XXX V/ μ s (front end filter enabled)
Small signal rise time (10-90%)	<XXXns with front end filter <XXX ns with front end filter disabled

WOLVERINE

Feedback	VFA
Frequency response	XX Hz – XXX kHz -3 dB 1 W into 8 Ω XX Hz– XX MHz – front end filter disabled – 1 W into 8 Ω Power bandwidth ~ XXX kHz*
Distortion (RMS)	80 W 8 Ω 0.XXX% at 20 kHz; 15 W 8 Ω 0.XXX% at 1 kHz 50 W 8 Ω 0.XXX% at 1 kHz; 100 W at \leq 0.XX% distortion 20 Hz to 20 kHz
Input Sensitivity & Impedance	1.2 V into XX k Ω // [1 k Ω +XXX pF]; ~10 k Ω at 1 kHz
Loop gain	XX dB at 1 kHz; XX dB; -3 dB at XX kHz (simulation)
Closed loop gain	XX dB; -3 dB at XXX kHz; phase lag $<X^\circ$ at 20 kHz (front end filter in-situ)
Slew rate	>XXX V/ μ s (front end filter disabled) c. XXX V/ μ s (front end filter enabled)
Small signal rise time (10-90%)	<XXXns with front end filter <XXX ns with front end filter disabled