1 Photos
The photograph below shows the PMP9727 Rev A prototype assembly.

2 Efficiency

Efficiency vs. Total Output Power (Watts)
3 Current Limit

The input was 115VAC/60Hz

3.1 12V Output Current Limit
3.2 48V Output Current Limit

4 Regulation

4.1 12V Regulation
4.2 48V Regulation

![Graph showing 48V Regulation](image-url)
5 Thermal Images

The ambient temperature was 25°C, with no forced air flow. The 12V output was loaded with 12Ω. The 48V output was loaded with 120Ω. The input was 115VAC/60Hz.
6 Startup

6.1 Startup – No Load

![Graph Image]
6.2 **Startup – 12V/12Ω & 48V/120Ω**

![Graph showing startup results](image)

7 **Output Ripple Voltage**

The 12V output was loaded with 12Ω and the 48V output was loaded with 120Ω.

7.1 **12V Output Ripple Voltage – Measured at TP13**

![Graph showing 12V output ripple voltage](image)
7.2 48V Output Ripple Voltage

8 Load Transients

8.1 12V, 500mA to 1A Transient

The input was 115VAC/60Hz. The 48V output was loaded with 0.2A.
8.2 48V, 200mA to 400mA Transient
The input was 115VAC/60Hz. The 12V output was loaded with 0.5A.

9 Switching Waveforms
The input was 135VAC/60Hz. The 12V output was loaded with 12Ω and the 48V output was loaded with 120Ω.

9.1 Primary Waveform
The image below shows the drain voltage on Q1.
9.2 12V Secondary Waveform

The image below shows the voltage on the anode of D2.

9.3 48V Secondary Waveforms

The image below shows the voltage on the anode of D5.
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