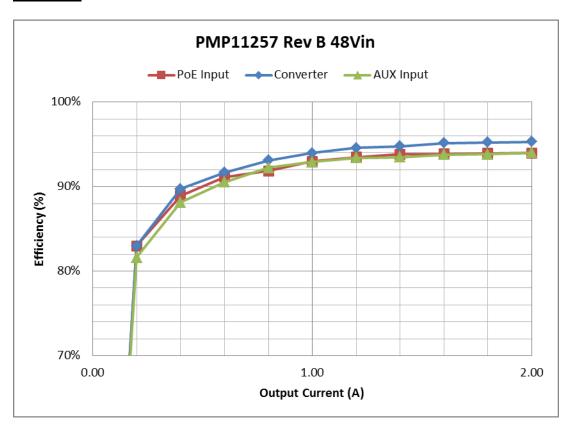
All measurements taken with a 48V input, 2A load unless otherwise noted.

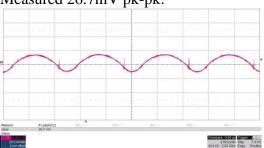
Efficiency



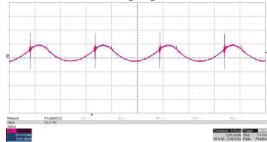
Ripple and Noise

Ripple measurements taken with a 2A load and 20MHz BWL.

Output Ripple (J4) 20mV/div, 2usec/div Measured 26.7mV pk-pk:

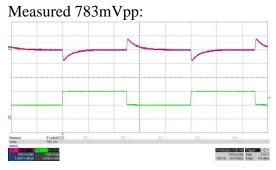


Input Ripple (C11) 20mV/div, 2usec/div Measured 51.3mV pk-pk:



Dynamic Loading

Load Step
1A to 2A step load, 250mA/usec slew rate
200mV/div, 500usec/div



Turn On Response

2A Load, 2msec/div 2V/div, 2msec/div:



0A Load, 2msec/div 2V/div, 2msec/div:



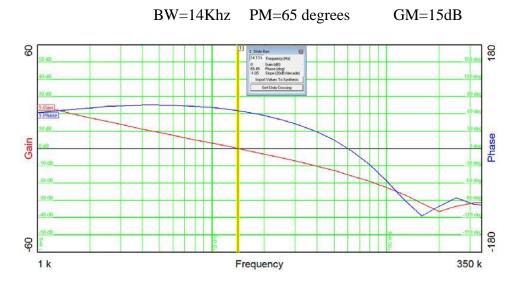
Waveforms

Switch node, 57V Input, 2A Load 20V/div, 2usec/div



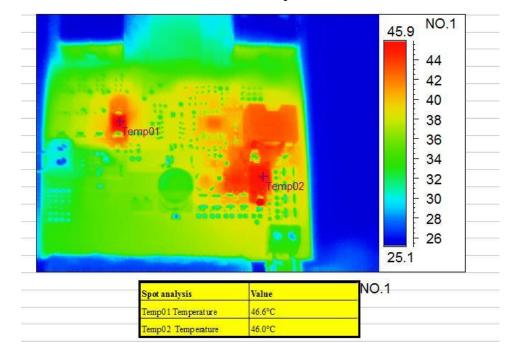
Stability

Loop response of the converter with a 48V input and 2A load.



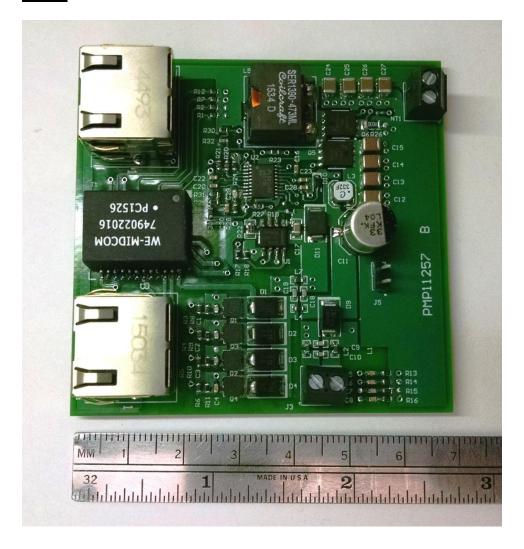
Thermal:

Thermal measurement taken with 48V input and 2A load, no air flow.



TEST REPORT 06-01-2016

Photo:



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