



PMP 3543 06/16/09

General Test Conditions:

Ambient temperature: 25C, Output loaded with 15 LEDs in series, driven at 700mA

1 Start Up Waveform at 10V input

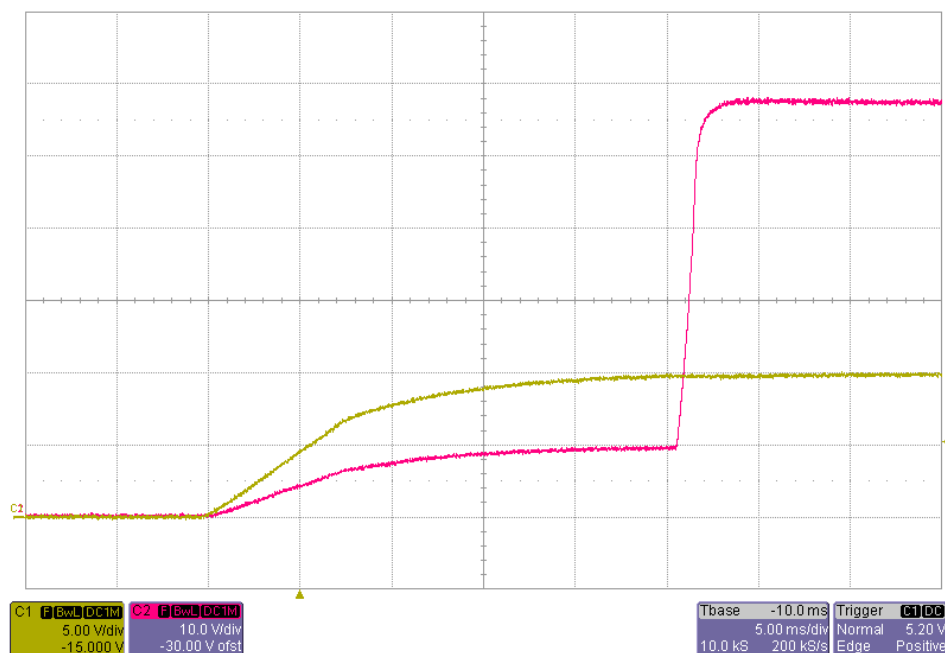


Fig 1: Channel 1: Input Voltage, Channel 2: Output Voltage

2 Start Up Waveform at 28V input

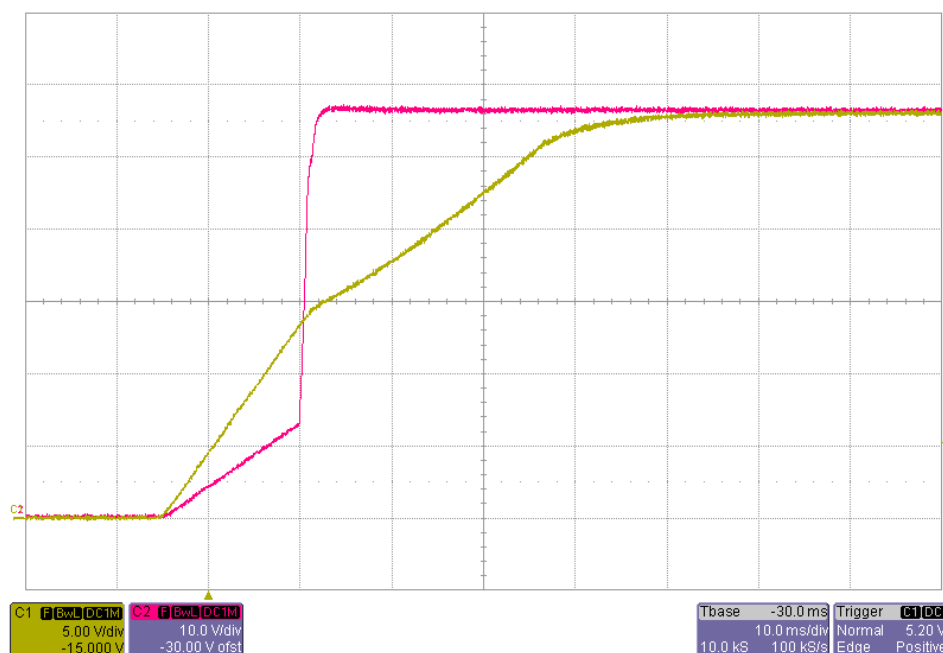


Fig 2: Channel 1: Input Voltage, Channel 2: Output Voltage

3 Voltage Ripple at 10V input

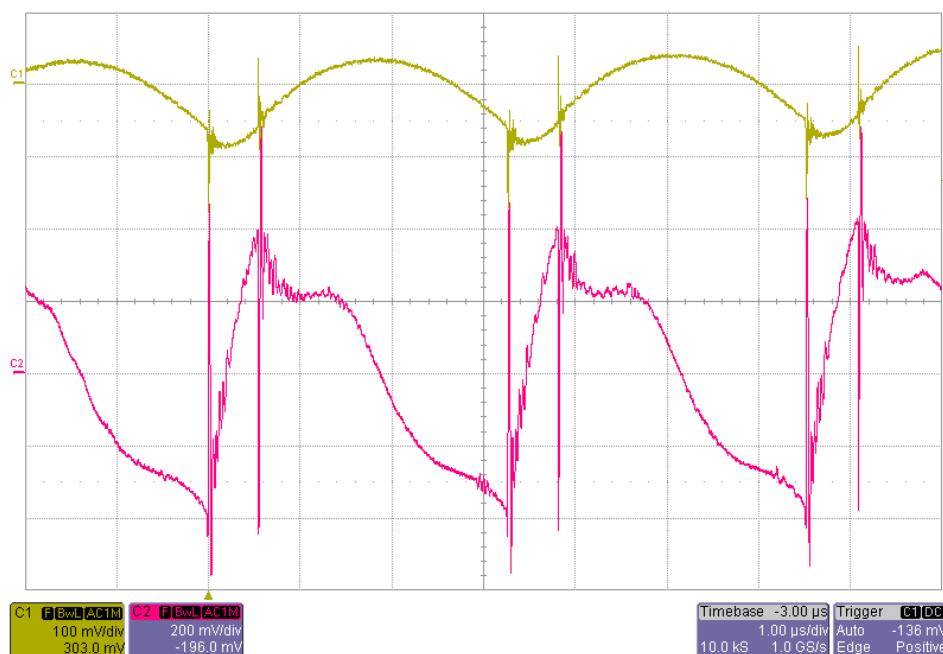


Fig 3: Channel 1: Input Voltage Ripple, Channel 2: Output Voltage Ripple

4 Voltage Ripple at 28V input

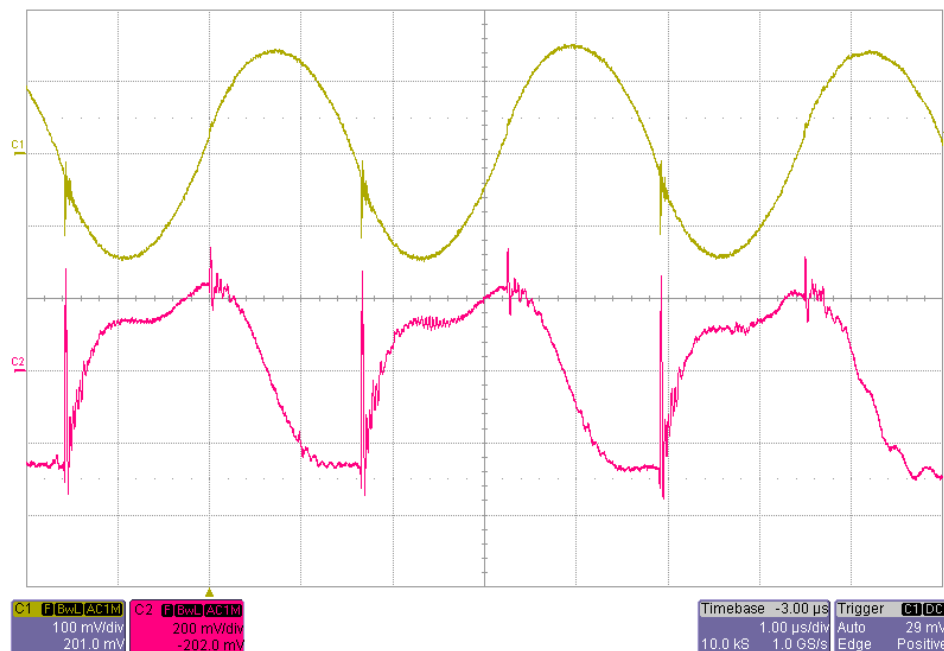


Fig 4: Channel 1: Input Voltage Ripple, Channel 2: Output Voltage Ripple

5 Switch Node at 10V input

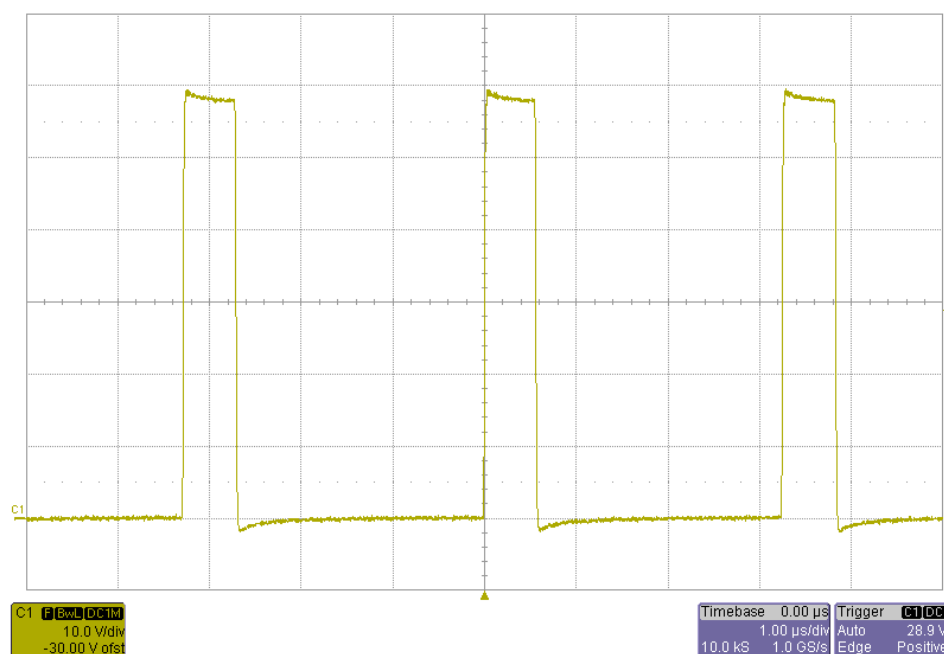


Fig 5: Switch node with 700mA output current

6 Switch Node at 28V input

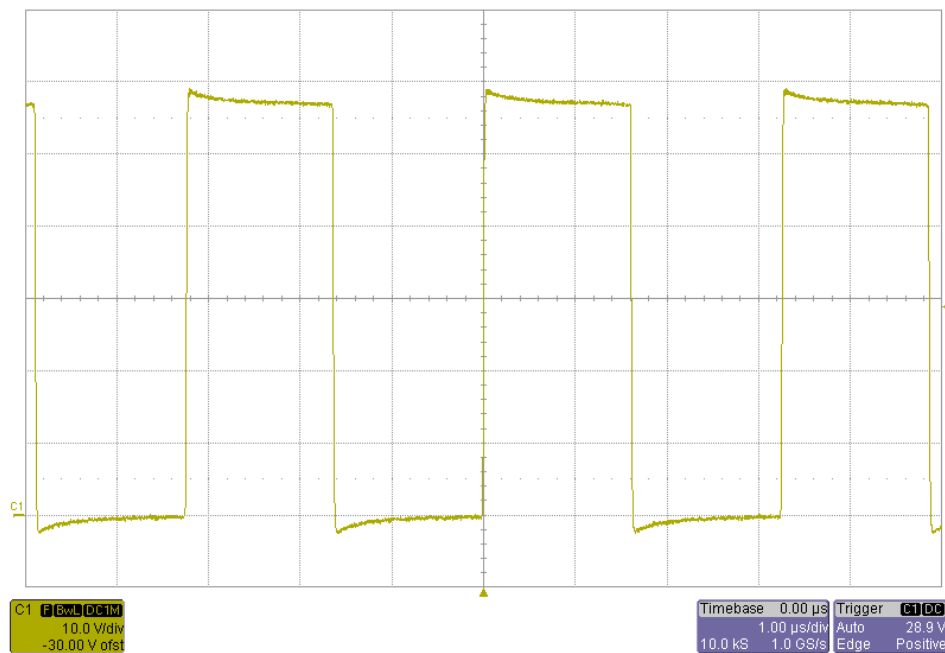


Fig 6: Switch node with 700mA output current

7 Efficiency

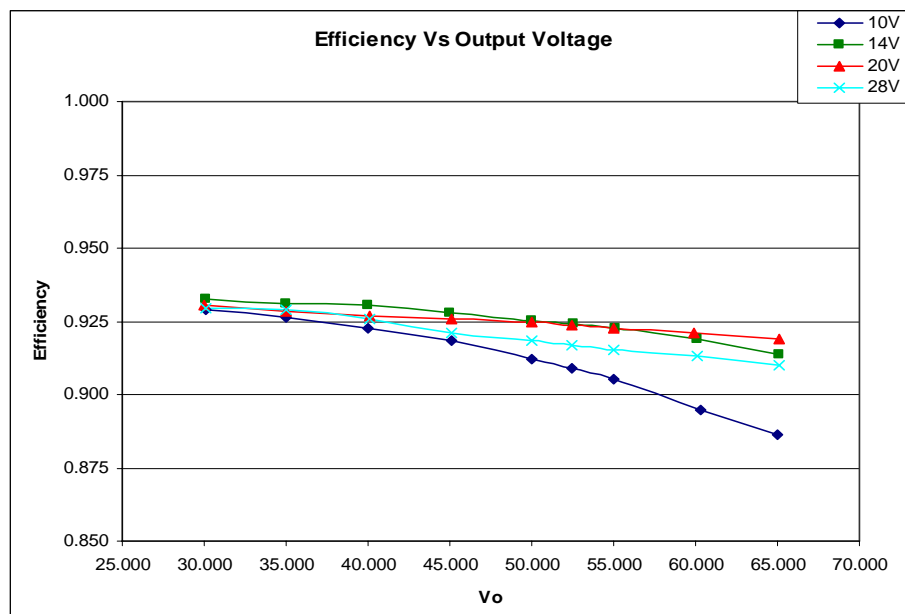


Fig 7: Efficiency with output voltage

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Test Report

8 Regulation

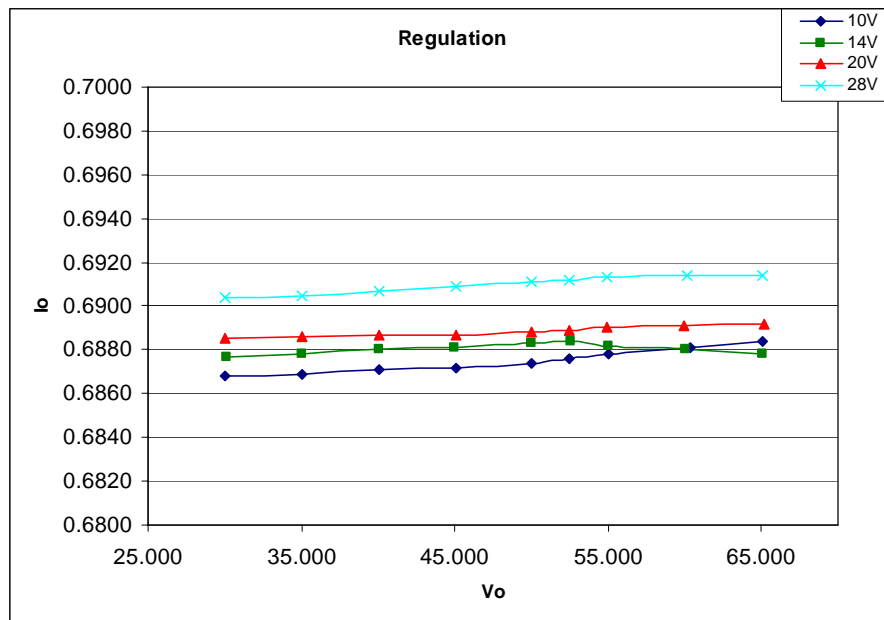


Fig 8: Output Current Regulation with output voltage

9 Loop Response at 10V input

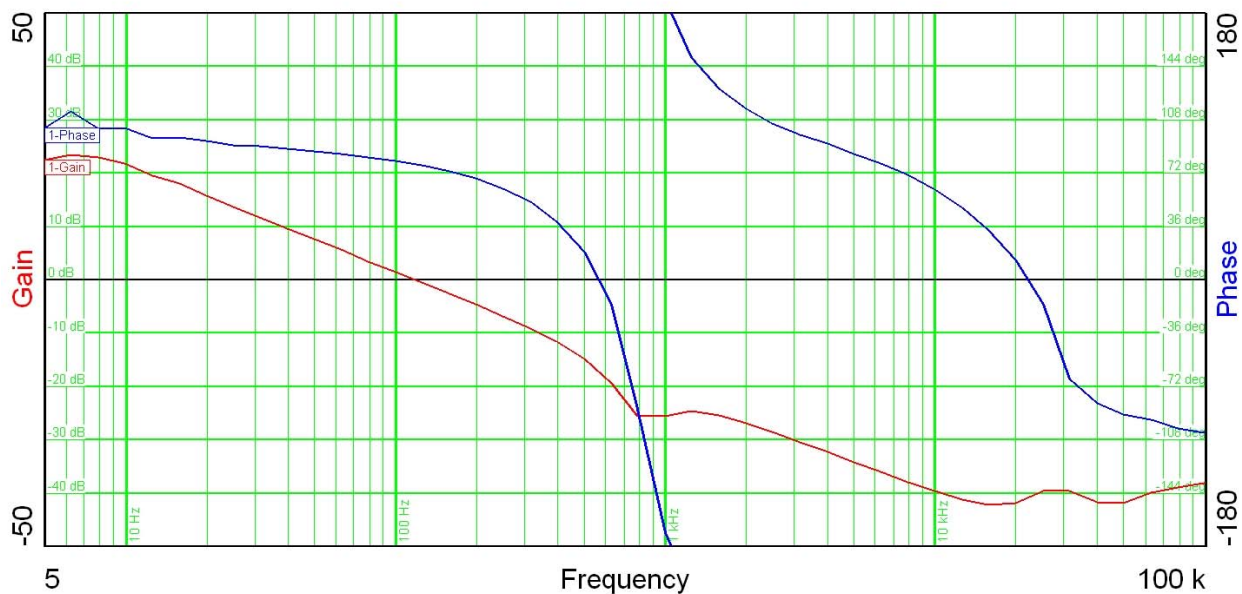


Fig 9: Loop response, with 10Vin, 15 LEDs driven at 700mA

10 Loop Response at 28V input

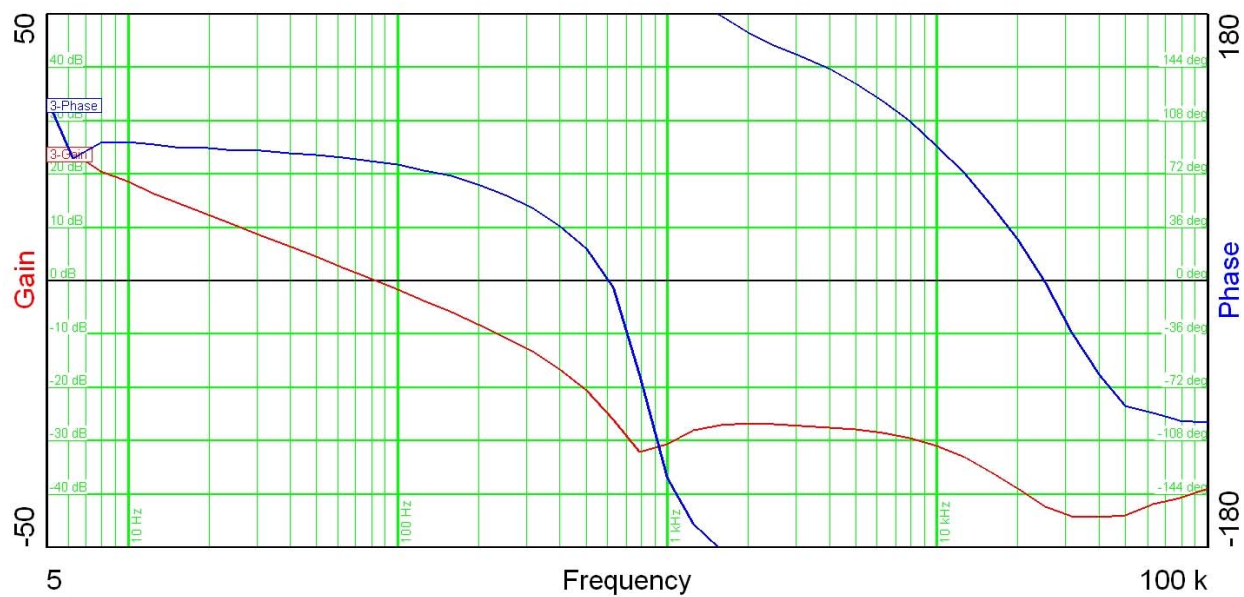


Fig 10: Loop response, with 28Vin, 15 LEDs driven at 700mA

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