



NOTES:
 I_F =FORWARD CURRENT.
 V_F =FORWARD VOLTAGE.
 SWITCHING FREQUENCY IS 500 kHz.

Figure 2 This test circuit measured the difference in forward voltage between four LEDs with the same part number but from different bins. The test circuit on the left used the same benchtop dc-power supply to power each LED at an ambient temperature of 25°C. The circuit on the right represents a practical 1A LED driver based on a buck regulator. Measuring forward voltage within 5 seconds of applying power minimized the shift in forward voltage due to self-heating.