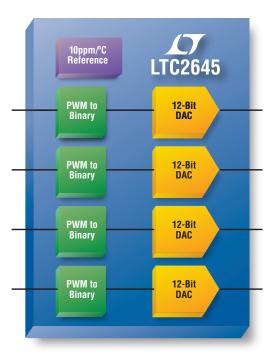
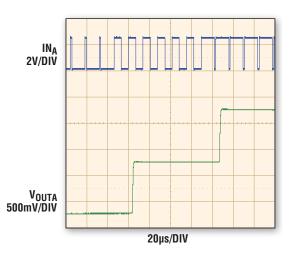


## PWM to DC in One Cycle





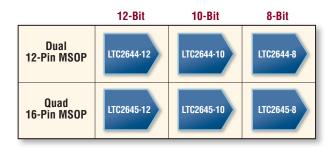
## No Software. No Ripple. No Latency.

Linear Technology's PWM to  $V_{OUT}$  DACs convert a PWM (pulse width modulation) input to an accurate, stable, buffered voltage without the ripple, slow settling and external passive components of discrete filter implementations. The LTC $^{8}$ 2645 quad PWM DAC measures the period and pulse width of the PWM input signal and updates the DAC output immediately with up to 12-bit accuracy, no software coding required.

## 🔻 Features

- 30Hz to 100kHz PWM Input
- Buffered Rail-to-Rail Voltage Output
- Updates and Settles within 8µs
- 10ppm/°C Internal Reference; 2.5V Full Scale
- Pin-Selectable Internal or External Reference
- ±2.5 LSB Max INL; ±1 LSB Max DNL
- 2.7V to 5.5V Supply 1.71V to 5.5V PWM Inputs

## $\overline{\hspace{0.1in}}$ Dual and Quad PWM to $V_{OUT}$ DACs



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www.linear.com/product/LTC2645

