

# MINIPUCK F004

## Constant Current DC/DC Buck LED Driver

### PRODUCT OVERVIEW

The MiniPuck is a highly efficient step down converter designed for driving high-powered LEDs. With a form factor of measuring less than one cubic inch, it is ideal for many applications where size and efficiency is es-sential. The MiniPuck is available in three variants of drive currents (350mA, 500mA and 700mA) and can be PWM dimmed down to five percent.



### FEATURES

- ✓ Made in America design and quality
- ✓ DC input power up to 30V
- ✓ 350, 500 and 700mA constant current output
- ✓ Accepts 1 to 30Vp PWM signals for dimming
- ✓ Customization of specifications available
- ✓ Small mechanical envelope
- ✓ Output open circuit and short circuit protection
- ✓ Over temperature protection

### Specifications

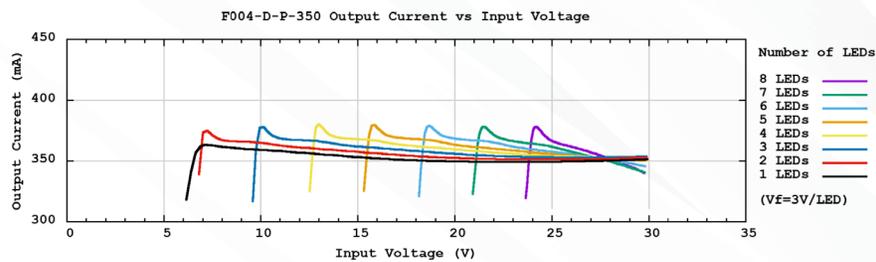
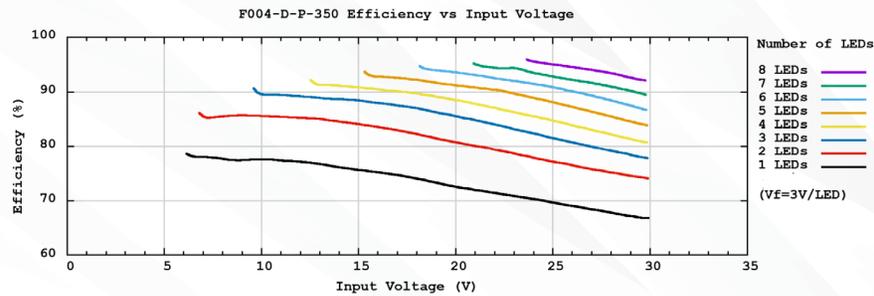
Type	Product	F004-D-P-350	F004-D-P-500	F004-D-P-700
General	Topology:	Buck		
	Input / Output:	DC / DC		
Input	Voltage Range:	6.5 to 30 V		
	Input Margin:	2.5 V		
	Efficiency:	97%		
Output	Drive Current:	350 mA	500 mA	700 mA
	Current Accuracy:	± 10%		
	Trim Range:	None		
Control	Dimming:	Yes		
	Type:	PWM		
	Input:	1 to 30 V		
	Impedance:	47 kΩ Typical		
Protection	Frequency:	100 to 2000 Hz		
	Quiescent Current:	100 μA Typical		
	Short Circuit:	Yes		
	Open Circuit:	Yes		
Environment	Over Temp:	Yes		
	Operating Case Temp <sub>Max</sub> :	-40 to 80o C		
Mechanical	Storage Temp:	-40 to 125o C		
	Connection:	5 Pin		
	Dimension:	0.79 x 0.66 x 0.43 in		
Regulatory	Weight:	0.24 oz		
	Compliance:	RoHS, UL		
	EMI Filter:	Option Available		
	Warranty:	2 Year		

\* All specifications are subject to change without prior notification.

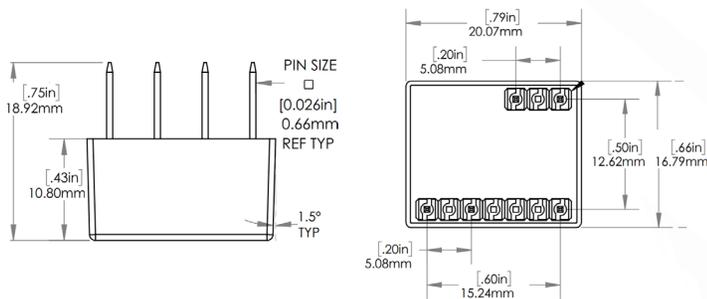
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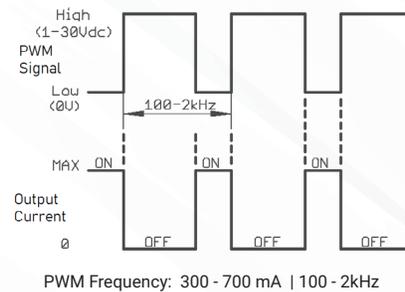
### Typical Performance Characteristics



### Mechanical Drawings



### Dimming



### Wiring Example



### Ordering Detail

Product	Input Voltage	Driver Current	Control	Connection
F004-D-P-350		350		
F004-D-P-500	6.5 to 32 VDC	500	PWM	5 Pin
F004-D-P-700		700		