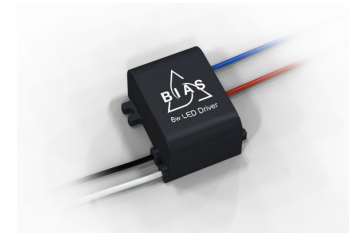




BIAS 6 Watt LED Driver Supply BPWXL 6 Series Data Sheet

Single output
BPWXL 6-21-035



The BPWXL LED Driver is an ideal solution for numerous LED driver applications. This low-cost supply provides up to six watts of output power for LED string voltages up to 21VDC. A patented design incorporating a custom integrated circuit into a small package, the BIAS Driver provides an immediate “drop-in” solution, requiring no additional external components. Installer friendly using flying leads for AC connections.

Features

- Universal Input (100-308 VAC, 50/60Hz)
- 350mA constant current, up to 21 VDC strings
- Ingress protection to IP67
- Flying Leads for AC and LED connections
- 3000 VAC Isolation
- Up to 75% efficiency
- EN 55022, Class B; FCC Part 15, Class B
- Meets UL/CSA and EN Product Safety Requirements (UL 8750 Class 2)
- Overcurrent, short circuit (shorted string), open circuit (string break) and overload protected

Operating Specifications

(@120VAC / 60 Hz / 25°C unless otherwise specified)



Electrical	
Input Voltage Range	100-308 VAC (50/60Hz)
Output Power (Pmax)	6 W nom (50/60Hz)
Efficiency	75% nom.
Output Vo	21 VDC nom.
Output Io	350mA nom.
Line Regulation Io (Peak)	+/- 1% Po < Pmax
Temperature Regulation Io (Peak)	+/- 2% Po < Pmax
Isolation	3000 VAC (meets UL/CSA & EN Product Safety)
Earth Leakage @ 120 VAC	< 10 uA
Short Circuit Protection	Continuous, Pin ≤ 0.7 w @ 120 VAC
Reliability @ 25° C, MIL HDBK-217F	> 500 Khr MTBF

Environmental	
Operating Temperature	-40 to 85° C
Storage Temperature	-40 to 105° C
Ingress Protection	IP67
Mechanical	
Package Size (L x W x H)	1.9 x 1.74 x 0.94 inches
Lead Length	11", 18AWG
Connections	Line-Black, Neutral-White Output(+)-Red , Output(-)-Blue
Safety	
Safety Compliance	ETL/UL 8750 Class 2/CAN/CSA c22.2
EMI Emissions	EN 55022, Class B, FCC Part 15, Class B

