

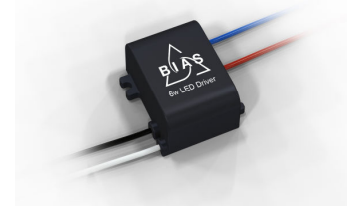
BIAS 6 Watt LED Driver Supply BPWXL 6 Series Data Sheet

Single output

BPWXL 6-21-035 (constant current driver)

BPWXL 6-09-070 (constant current driver)

BPWXLD 6-21-035 (0-10 dimmable driver)



Features

- Universal Input (100-308 VAC, 50/60Hz)
- 350mA constant current, 21VDC strings
- 700mA constant current, 9VDC strings
- Ingress protection to IP66 (IP67 pending)
- -40 to +85°C ambient, 90°C maximum case temperature
- Flying Leads for AC and LED connections
- 3000 VAC Isolation
- 82% 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

The BPWXL Series driver is an ideal solution for numerous LED driver applications requiring up to six watts of output power.

The constant current drivers handle LED string voltage/drive current of 21VDC/350mA and 9VDC/700mA. The dimmable drivers adjust output current based on either 0-10 VDC reference.

A patented design incorporates a custom integrated circuit to maximize performance and keep package size small. An installer friendly design uses color coded flying leads for all connections.

Operating Specifications

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

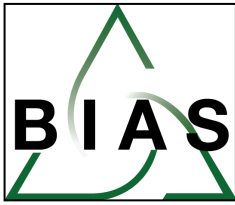


Electrical	
Input Voltage Range	100-308 VAC (50/60Hz)
Output Power (Pmax)	6 W nom (50/60Hz)
Efficiency	75% nom.
Temperature Regulation I _o (Peak)	+/- 2%, P _o < P _{max}
Isolation	3000 VAC (meets UL/CSA & EN Product Safety)
Earth Leakage @ 120 VAC	< 10 uA
Short Circuit Protection	Continuous, Pin ≤ 0.7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

Environmental	
Operating Temperature	-40 to 85° C
Case Temperature, maximum	90° 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
Safety	
Safety Compliance	ETL/UL 8750 Class 2/CAN/CSA c22.2 (1)
EMI Emissions	EN 55022, Class B, FCC Part 15, Class B

Model Number	BPWXL 6-21-035	BPWXL 6-09-070	BPWXLD 6-21-035
Output Voltage, max string Volts	21 VDC	9 VDC	21 VDC
Output Current	350 mA	700 mA	0 to 350 mA
Dimming	N/A	N/A	0 to 10 VDC, V _d
Dimming Linearity	N/A	N/A	+/- 2%
Line Regulation, I _o (Peak)	+/- 1%, P _o < P _{max}	+/- 1%, P _o < P _{max}	+/- 1%, P _o < P _{max}
Line Regulation, V _o (Peak)	N/A	N/A	N/A
AC Input Connections	Line - Black, Neutral - White	Line - Black, Neutral - White	Line - Black, Neutral - White
DC Output Connections	Pos(+) - Red, Neg (-) - Blue	Pos(+) - Red, Neg (-) - Blue	Pos(+) - Red, Neg (-) - Blue
Dimming Connections	N/A	N/A	Pos(+) - Orange, Neg(-) - Green

Note (1): Safety agency recognition pending for BPWXL 6-09-070 and BPWXLD drivers



BIAS 6 Watt LED Driver Supply

BPWXL 6 Series Data Sheet

Single output

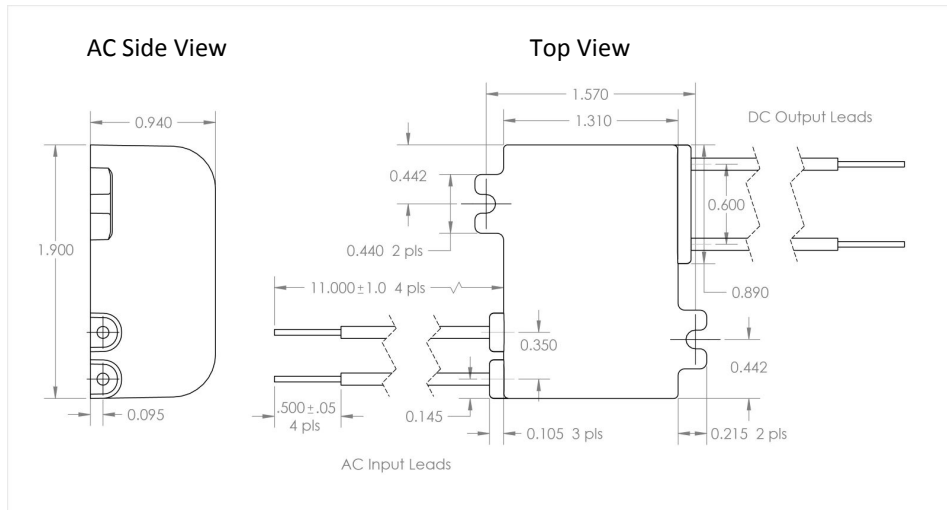
BPWXL 6-21-035 (constant current driver)

BPWXL 6-09-070 (constant current driver)

BPWXLD 6-21-035 (0-10 dimmable driver)

BPWXL 6-21-035

BPWXL 6-09-070



BPWXLD 6-21-035

