



BIAS 4 Watt LED Power Supply

BPWXL 4 Series Data Sheet

Single output
BPWXL 4-12-035

The BPWXL Power Supply Module is an ideal solution for numerous LED driver applications. This low-cost supply provides up to four watts of output power for LED string voltages up to 12VDC. A patented design incorporating a custom integrated circuit into a small package, the BIAS Module provides an immediate “drop-in” solution, requiring no additional external components. Installer friendly using flying leads for AC connections.

Features

- Universal Input (90-308 VAC, 50/60Hz)
- 350mA constant current, up to 12 VDC strings
- Ingress protection to IP66
- 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 and overload protected

Operating Specifications

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



Electrical	
Input Voltage Range	90-308 VAC (50/60Hz)
Output Power (Pmax)	4 W nom (50/60Hz)
Efficiency	75% nom.
Output Vo	12 VDC nom.
Output Io	350mA, +/- 5%
Line / Load Regulation Io (Peak)	+/- 5% 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	> 200 Khr MTBF

Environmental	
Operating Temperature	-40 to 85° C
Operating Relative Humidity	0 – 95%, non-condensing
Storage Temperature	-40 to 105° C
Ingress Protection	IP66
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

