

BIAS BPWXLD 4-12U-035

4 Watt LED Driver

Universal Input/Output with AOVC™

350mA, 0-10 dimmable



Benefits

- Bias Adaptive Output Voltage Control, AOVC™ technology (patent pending) provides the broadest range of applications with the fewest driver SKUs
- Highly reliable, rugged construction for indoor or outdoor applications
- True 0-10 volt dimming with 1000:1 range, IEC 60929 compliant
- 1% current regulation and no flicker
- Color coded flying leads for simple assembly and installation
- AC line or DC load switching without overshoot on startup

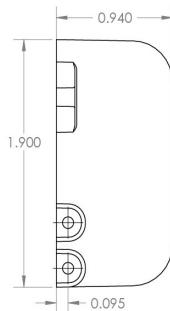
Operating Specifications

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

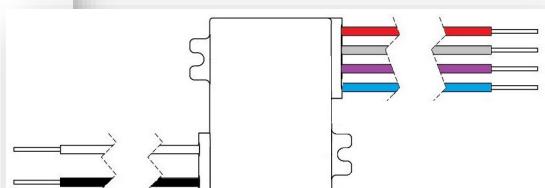
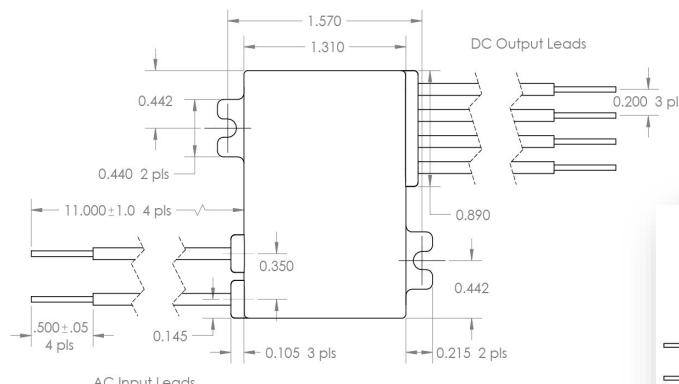
| Electrical | |
|------------------------------------|---|
| Input Voltage Range | 100-308 VAC (50/60Hz) |
| Output Power (Pmax) | 4 W nom (50/60Hz) |
| String Voltage | 3-12VDC |
| Efficiency | 75% nom. |
| Temperature Regulation Io (Peak) | +/- 2%, Po < Pmax |
| Isolation | 3000 VAC (meets UL/CSA & 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 |
| 0-10 VDC Dimming | Per IEC 60929, Annex E |
| Line Regulation, Io (Peak) | +/- 1%, Po < Pmax |
| AC Input Connections | Line BLK, Neutral WHT |
| DC Output Connections | Pos(+) RED, Neg (-) BLU |
| Dimming (0-10 VDC) Connections | Adjust PUR/Com GRY |

| 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 600V class |
| Safety and Standards | |
| Safety Compliance | UL: 60950-1, 2nd Ed./CSAC22.2 60950-1-07 2nd Ed. |
| EMI Emissions | EN 55022, Class B, FCC Part 15, Class B |

AC Side View



Top View



5 Year Limited Warranty - see Cita Power published warranty for specifics



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Revision 1d

Specifications subject to change