

Q58 Series

Product Specifications

ANZ#: Z214d, January 30, 2014

| High Power LED Driver | |
|-----------------------|---------------|
| Total Power | 60 Watts max. |
| Input Voltages | 110 ~ 277VAC |
| Number of Outputs | One |

SPECIAL FEATURES

- Universal Input range from 100VAC~304VAC, 50/60Hz
- Versatile mechanical design maximizes design flexibility.
- Size: XP: TBD / XM: 108.3x76.3x30mm (LxWxH)
- Fully potted, suitable for dry and damp location applications
- 4 in 1 Dimming Control plus “ENABLE” input
- UL8750 and CE compliant
- Wide selection of pre-adjusted C/C outputs (factory setting)

ENVIRONMENTAL

| | |
|----------------------------|--|
| Operating temperature: | -40 to +50 ° C, Tc: 85 ° C |
| Storage temperature: | -40 to +85 ° C |
| Humidity (Non-Condensing): | 5% to 95% |
| Cooling: | Convection |
| Vibration Frequency: | 5 to 50 Hz |
| MTBF: | >100,000 Hours at full load and 25°C ambient conditions (TELC3 – Telcordia SR-332, Issue 3) |



Picture shown above is not to scale

SPECIFICATIONS :

| | |
|---|--|
| Input Range : 100 ~ 277VAC | Frequency : 47 to 63Hz |
| Power Factor: > 0.92 at 65% to 100% load, 115VAC or 230VAC | Inrush Current : 13.0 Amps max. at 230VAC, cold start 25°C |
| Input Current : 0.72 Amps max. at 115VAC | Efficiency : 87% Typical |
| Output Current Regulation : ±3% | Maximum Power : 60W |
| Protection : OCP, SCP, OLP – Auto Recovery | Leakage Current : 50uA typ. |
| Control : 0-10V dimmer; PWM (250-3KHz); Potentiometer; Enable | Dimension: TBD |
| Hold up time: Half cycle min. at 120VAC and 80% rated load | Regulation Compliance: UL8750 or EN61347, EN55015, EN61547 |

MODEL SELECTION :

| Model Number | Constant Voltage Mode | | | Model Number | Constant Current Mode | | |
|---|-----------------------|------------|---------|------------------|-----------------------|---------|--------|
| | V (DC) | A (mA) | Max. W | | A (mA) | V (DC) | Max. W |
| Q58-U24-Xz | 24, ±5% | 2400 | 60 | Q58-U24-Cyyyy-Xz | 2650 ~ 1250 | 14 ~ 24 | 60 |
| Q58-U36-Xz | 36, ±5% | 1600 | 60 | Q58-U30-Cyyyy-Xz | 2100 ~ 1000 | 19 ~ 30 | 60 |
| Q58-U48-Xz | 48, ±5% | 1200 | 60 | Q58-U36-Cyyyy-Xz | 1780 ~ 833 | 23 ~ 36 | 60 |
| Notes: 1. “Xz” is optional - “Blank” = 5VA plastic case ; “Xp” = 94V-0 plastic case ; “Xm” = stud-mount metal case 2. yyyy = Output current 3. 72VDC output is not UL certified; CV UL is pending. | Q58-U42-Cyyyy-Xz | 1500 ~ 720 | 27 ~ 42 | 60 | | | |
| | Q58-U48-Cyyyy-Xz | 1350 ~ 625 | 30 ~ 48 | 60 | | | |
| | Q58-U54-Cyyyy-Xz | 1150 ~ 560 | 34 ~ 54 | 60 | | | |
| | Q58-U72-Cyyyy-Xz | 880 ~ 420 | 47 ~ 72 | 60 | | | |

Dimming Wiring Diagram



