

10 WATT, Universal Input, Dual Output PCB Mountable Switching Power Supply

INPUT SPECIFICATIONS

All specifications are typical at nominal input, full load.

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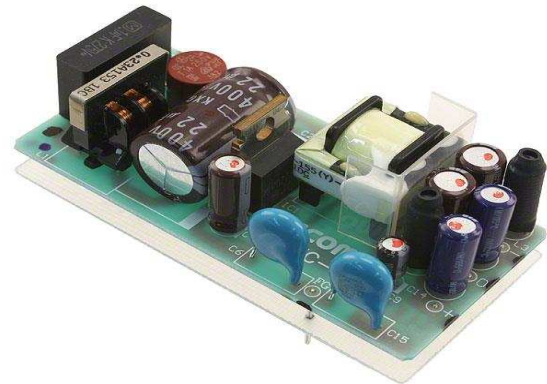
| | |
|--------------------------------|-------------------|
| Input Voltage | AC 85-264V |
| Input Frequency | 47 ~ 63 Hz |
| Input Current | 0.16 ~ 0.22A Typ. |
| Inrush Current (100/230VAC) | 11 / 20A Typ. |

OUTPUT SPECIFICATIONS

| | |
|--------------------------------------|--|
| Output Voltage | See Chart |
| Voltage Accuracy | ± 5% |
| Over-Current Protection | Automatic Recovery (105% min) |
| Hold-Up Time (100/230VAC) | 11 / 95mS Typ. |
| Rise Time (100/240VAC) | 180mS Typ. |
| Leakage Current (100/230VAC 63Hz) | 0.5 / 0.75mA max |
| Drift | (0.5% + 15mV) max / 8H (After 1 hour warm-up) |

GENERAL SPECIFICATIONS

| | |
|----------------------|--|
| Isolation Voltage | |
| Primary to Secondary | 3000VAC |
| Primary to Case | 2000VAC. |
| Secondary to Case | 500VAC. |
| Isolation Resistance | 100 M-Ohms min. |
| Safety Approvals | UL60950 CSA C22.2 No.60950(cUL) CE (EN6950 A3 LVD) CB (IEC60950:1999,US/6301/UL) |
| Physical Dimensions | 32 x 21.9 x 65mm (W x H x L) |



FEATURES

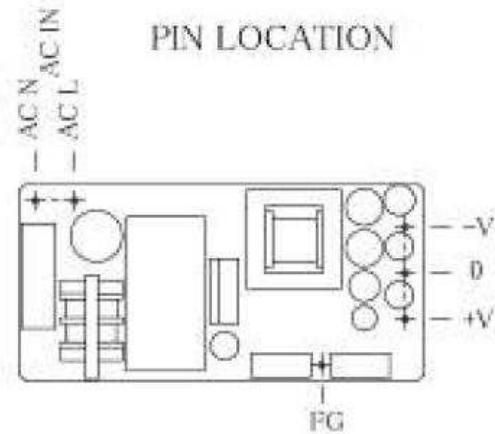
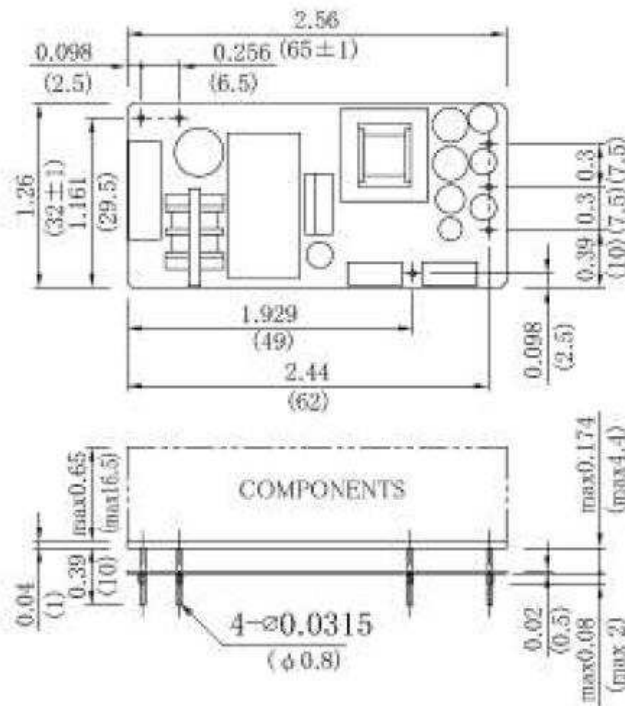
- EXTREMELY SMALL (1.26 X 2.56in)
- UNIVERSAL INPUT (AC85-264V)
- DUAL OUTPUT
- OVERCURRENT PROTECTION
- LIGHTWEIGHT CONSTRUCTION
- DIRECT PCB MOUNTABLE
- COMPACT, LOW-PROFILE PACKAGES
- 3 YEAR WARRANTY

ENVIRONMENTAL SPECIFICATIONS

| | |
|-------------------------|---|
| Operating Temperature | 0°C~+70°C Derates Linearly 2.5%/°C After 50°C |
| Cooling. | Convection |
| Temperature Coefficient | 0.02% / °C |
| Humidity | 20-85% Rh (non- condensing) |
| Storage Temperature | -20°C ~ +85°C |
| Shock Vibration | Shock: 20G (3 directions each 3 times) Vibration: 10 ~ 55Hz |

| Model | Output Voltage | Current (85 ~ 264 VAC) | Efficiency (%) | Load Regulation (10 ~ 100% Load) | Input Regulation (85~132/170~264VAC) | Ripple and Noise |
|-------------|----------------|------------------------|----------------|----------------------------------|--------------------------------------|------------------|
| KRD10F-1212 | ±12VDC | 0.42 A | 79% | 500 | 20 | 150 mVp-p |
| KRD10F-1515 | ±15VDC | 0.35 A | 81% | 500 | 20 | 150 mVp-p |

KRD10F



NOTE:

All specifications typical and nominal / full load and 25 °C unless otherwise noted.

Avoid sustained operation in overload or dead short conditions. Specifications subject to changes without notice.

- Dimensions in inch (mm) unless otherwise stated.
- Tolerance ±1mm