



KRS10F Series

10 WATT, Universal Input PCB Mountable Switching Power Supply



FEATURES

- **EXTREMELY SMALL (1.26 X 2.56mm)**
- **10 WATT OUTPUT POWER**
- **UNIVERSAL INPUT**
- **OVERCURRENT PROTECTION**
- **LIGHTWEIGHT CONSTRUCTION**
- **Direct PCB Mountable**
- **COMPACT, LOW-PROFILE PACKAGES**
- **3 YEAR WARRANTY**

SAFETIES/APPROVALS

UL60950
CSA C22.2 No. 60950(cUL)
CE EN60950 3rd Edition (LVD)

ELECTRICAL SPECIFICATIONS

All specifications are typical at nominal input, full load

INPUT SPECIFICATIONS

Input Voltage.....	85 ~ 264VAC
Input Frequency.....	47 ~ 63Hz
Input Current.....	0.22 ~ 0.15A Typ.
Inrush Current.....	10A

OUTPUT SPECIFICATIONS

Output Voltage.....	See Chart
Efficiency.....	74 ~ 82%
Over-Current Protection.....	Automatic Recovery (105% min)
Ripple and Noise.....	See Chart
Hold-Up Time.....	110V – 11 ms 230V – 120ms
Load Regulation.....	50mV max.
Rise Time.....	110V – 190ms 230V – 185ms
Leakage Current (100/230VAC).....	< 0.75mA

GENERAL SPECIFICATIONS

Isolation Voltage	
Primary to Secondary.....	3000VAC
Primary to Case.....	2000VAC
Secondary to Case.....	500VAC
Isolation Resistance.....	100 M-Ohms min.

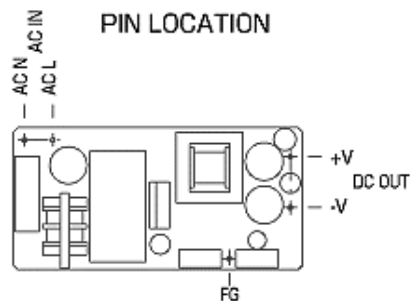
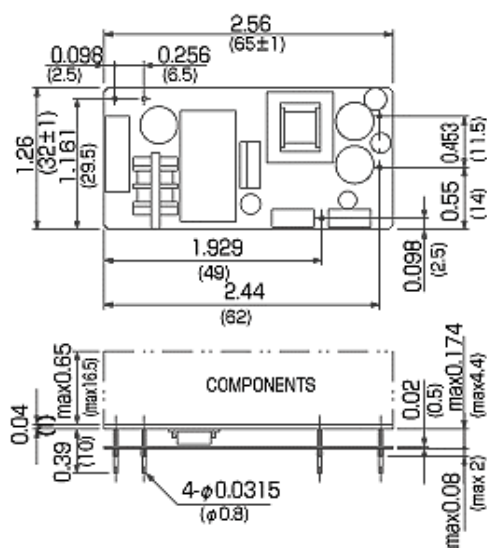
ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	10°C ~ +70°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

PHYSICAL SPECIFICATIONS

Open Frame – PCB Mountable

MODEL	Output Voltage	Output Current (85 ~ 264 VAC)	Efficiency (%)	Ripple & Noise (mVp-p)
KRS10F-05S	5VDC	2.00A	74%	150mVp-p
KRS10F-12S	12VDC	0.84A	79%	150mVp-p
KRS10F-15S	15VDC	0.65A	81%	150mVp-p
KRS10F-24S	24VDC	0.42A	82%	200mVp-p



Note:

- Measurements in millimeter (mm) unless otherwise specified
- Tolerance ± 1 mm

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.