



# KRS10F Series

## 10 WATT, Universal Input PCB Mountable Switching Power Supply

### 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

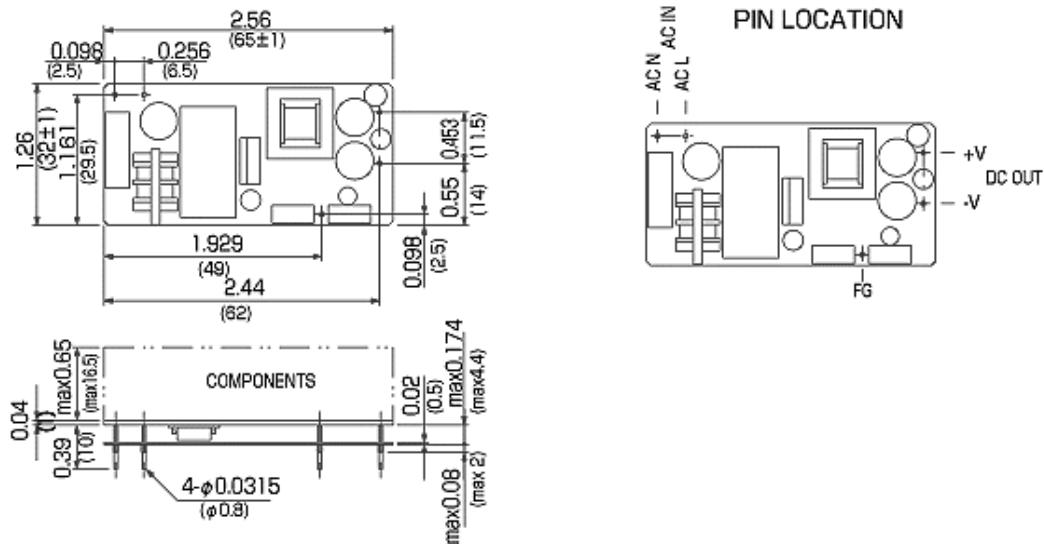
### PHYSICAL SPECIFICATIONS

Open Frame – PCB Mountable

### SAFETIES/APPROVALS

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

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  $\pm 1\text{mm}$

**NOTE:**

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

Avoid sustained operation in overload or dead short conditions.

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