

## 10 WATT, Universal Input 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	0.15 ~ 0.22A Typ
Inrush Current (100/230VAC cold start)	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	<b>110V</b> – 11mS <b>230V</b> – 120mS
Load Regulation	50mV max
Rise Time	<b>110V</b> – 190mS <b>230V</b> – 185mS
Leakage Current (100/230VAC)	<0.75 mA

### GENERAL SPECIFICATIONS

Isolation Voltage	
Primary to Secondary	3000VAC
Primary to Case	2000VAC.
Secondary to Case	500VAC.
Isolation Resistance	100 M-Ohms min.
Safety Approvals	UL60960 CSA C22.2 No.60960(cUL) CE EN60950 3 <sup>rd</sup> Edition(LVD)
Physical Dimensions	1.26 x 2.56in (W x L)



### FEATURES

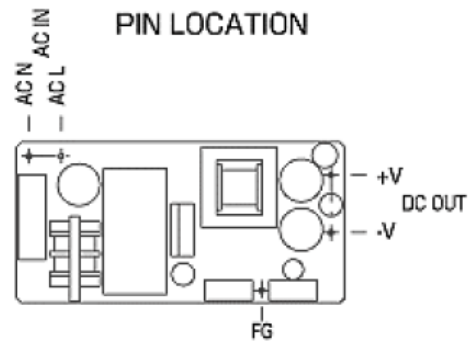
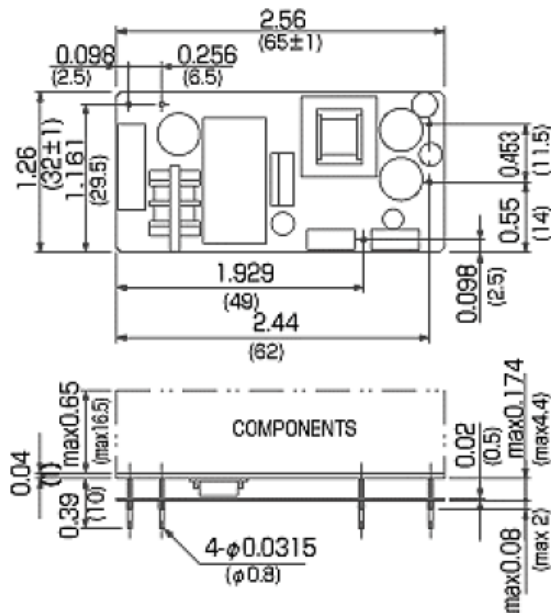
- EXTREMELY SMALL (1.26 X 2.56in)
- UNIVERSAL INPUT (AC85-264V)
- OVERCURRENT PROTECTION
- LIGHTWEIGHT CONSTRUCTION
- DIRECT PCB MOUNTABLE
- COMPACT, LOW-PROFILE PACKAGES
- 3 YEAR WARRANTY

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	10°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 (%)	Ripple and Noise (mVp-p)
KRS10F-05	5 VDC	2.00 A	74%	150 mVp-p
KRS10F-12	12 VDC	0.84 A	79%	150 mVp-p
KRS10F-15	15 VDC	0.65 A	81%	150 mVp-p
KRS10F-24	24 VDC	0.42 A	82%	200 mVp-p

## KRS10F



### 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