



# KRS25F Series



## 25 WATT, Universal Input PCB Mountable Switching Power



### FEATURES

- ▶ **EXTREMELY SMALL (41 X 85mm)**
- ▶ **LOW COST**
- ▶ **UNIVERSAL INPUT**
- ▶ **OVERCURRENT PROTECTION**
- ▶ **COMPACT, LOW-PROFILE PACKAGES**
- ▶ **DIRECT PCB MOUNTABLE**
- ▶ **LIGHTWEIGHT CONSTRUCTION**
- ▶ **3 YEAR WARRANTY**

### SAFETIES/APPROVALS

**UL60950**  
**CSA C22.2 No. 60950(cUL)**  
**CE EN60950 3rd Edition (LVD)**  
**CB IEC60950; 1999, US/6301/UL**

### ELECTRICAL SPECIFICATIONS

All specifications are typical at nominal input, full load

### INPUT SPECIFICATIONS

Input Voltage	.....	85 ~ 264VAC
Input Frequency	.....	47 ~ 63Hz
Inrush Current	.....	17/41A typical(100/230VAC input)

### OUTPUT SPECIFICATIONS

Output Voltage	.....	See Chart
Efficiency	.....	69 ~ 80%
Over-Current Protection	.....	Automatic Recovery (105%)
Ripple and Noise	.....	See Chart
Hold-Up Time	.....	9 mS
Load Regulation	.....	100mV
Rise Time	.....	300mS max
Leakage Current	.....	100V – 0.5mA max 230V – 0.75mA max
Drift (8H, after 1H)	.....	0.5% +15 mV max

### 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	.....	0°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

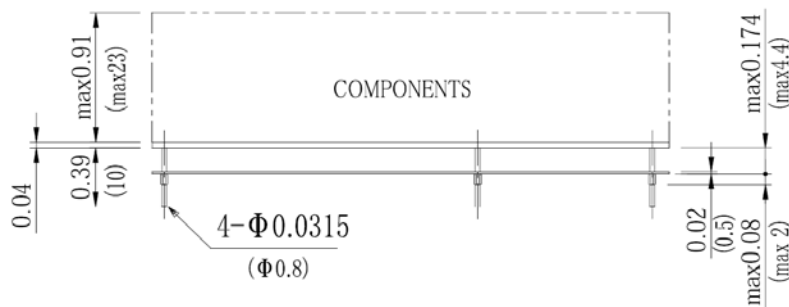
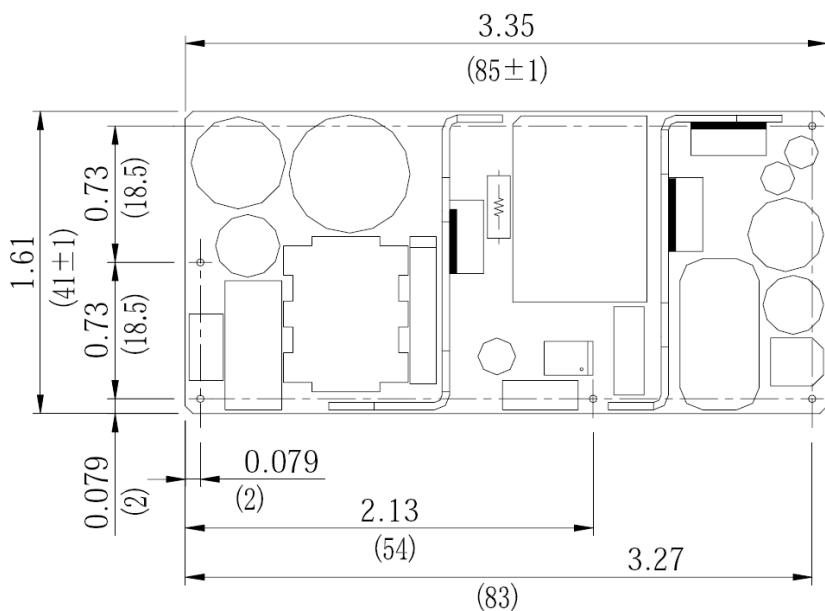
### PHYSICAL SPECIFICATIONS

PCB Mountable open frame

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT (85 ~ 264 VAC)	EFFICIENCY (%)	Ripple & Noise (mVp-p)
KRS25F-03	3.3VDC	6A	69%	250mVp-p
KRS25F-05	5VDC	5A	74%	250mVp-p
KRS25F-12	12VDC	2.1A	80%	250mVp-p
KRS25F-15	15VDC	1.7A	80%	350mVp-p
KRS25F-24	24VDC	1.1A	80%	450mVp-p

MAX POWER NOT TO EXCEED 25WATTS

# KRS25F



Note:

- Measurements in millimeter (mm) unless otherwise specified
- Tolerance  $\pm 1$ 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.