



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## 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

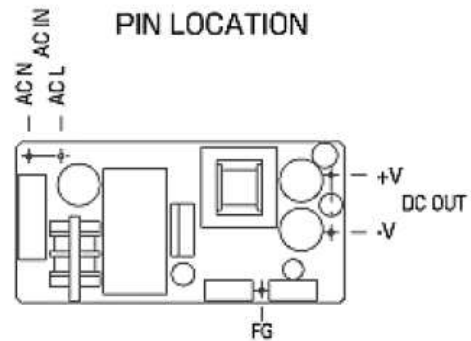
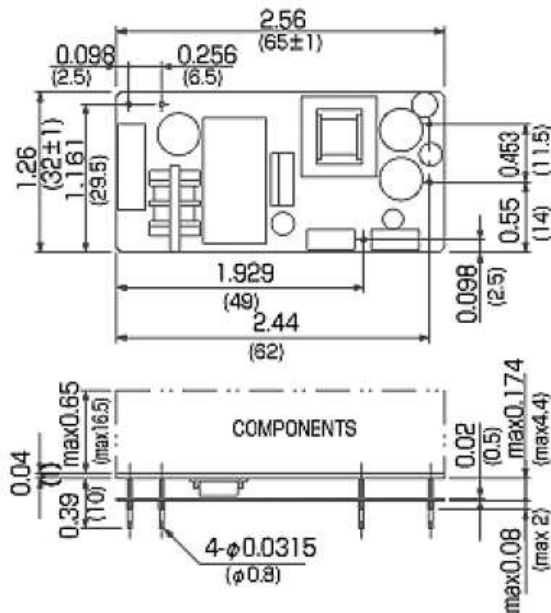
- EXTREMELY SMALL (1.26 X 2.56in)
- UNIVERSAL INPUT (AC85-264V)
- OVERCURRENT PROTECTION
- LIGHTWEIGHT CONSTRUCTION
- DIRECT PCB MOUNTABLE
- COMPACT, LOW-PROFILE PACKAGES
- 3 YEAR WARRANTY

### 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