



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, Dual Output PCB Mountable Switching Power Supply

### INPUT SPECIFICATIONS

All specifications are typical at nominal input, full load.

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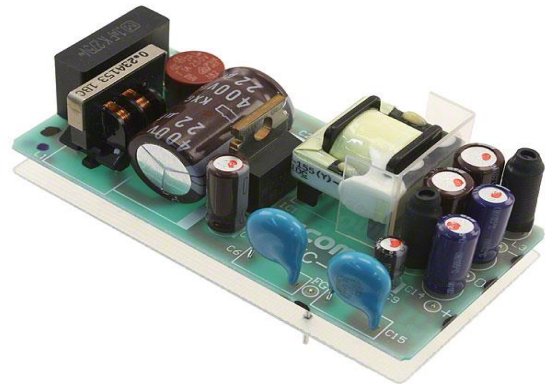
Input Voltage	AC 85-264V
Input Frequency	47 ~ 63 Hz
Input Current	0.16 ~ 0.22A Typ.
Inrush Current (100/230VAC)	11 / 20A Typ.

### OUTPUT SPECIFICATIONS

Output Voltage	See Chart
Voltage Accuracy	± 5%
Over-Current Protection	Automatic Recovery (105% min)
Hold-Up Time (100/230VAC)	11 / 95mS Typ.
Rise Time (100/240VAC)	180mS Typ.
Leakage Current (100/230VAC 63Hz)	0.5 / 0.75mA max
Drift	(0.5% + 15mV) max / 8H (After 1 hour warm-up)

### GENERAL SPECIFICATIONS

Isolation Voltage	
Primary to Secondary	3000VAC
Primary to Case	2000VAC.
Secondary to Case	500VAC.
Isolation Resistance	100 M-Ohms min.
Safety Approvals	UL60950 CSA C22.2 No.60950(cUL) CE (EN6950 A3 LVD) CB (IEC60950:1999,US/6301/UL)
Physical Dimensions	32 x 21.9 x 65mm (W x H x L)



### FEATURES

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

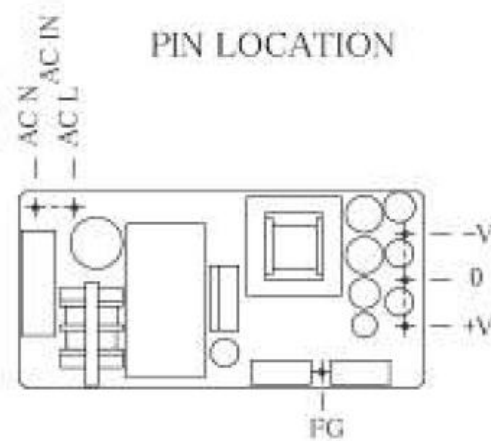
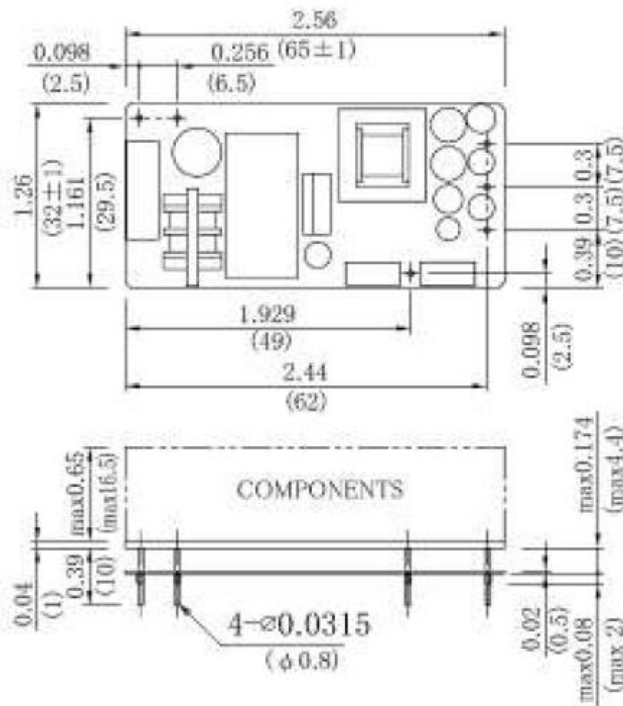
### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0°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 (%)	Load Regulation (10 ~ 100% Load)	Input Regulation (85~132/170~264VAC)	Ripple and Noise
KRD10F-1212	±12VDC	0.42 A	79%	500	20	150 mVp-p
KRD10F-1515	±15VDC	0.35 A	81%	500	20	150 mVp-p

## KRD10F



### 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