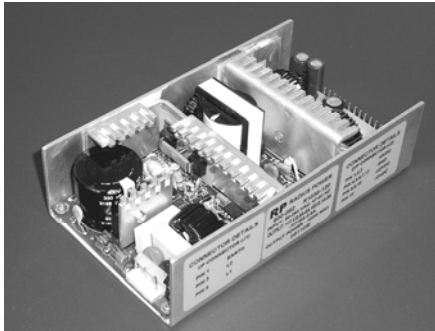


120 Watts R1038-120

Total Power: **120 Watts**
Input Voltage: **90-264Vac**
130-360 Vdc
Of Outputs: **Triple**



Electrical Specifications

Input Specifications

Input Range 90-264Vac
130-360Vdc
Input Current 3A max. (RMS) @ 115Vac
Frequency 47-63 Hz
Inrush Current <30A @ 115Vac
<36A @ 230Vac
Cold start @ 25°C
Line Protection PCB AC line fuse
Efficiency 70% typical at full load
EMI Filter Class B Conducted
Leakage Current <750µA max @ 264Vac
Isolation 4242 VDC (Input to Output)

Output Specifications

Output Max. Power 120W Convection cooling
150W with 30CFM forced air
Adjustment Range -5, +10% minimum
Hold-up time 20ms @ 120W load, 115Vac
nominal line
Overload protection Short circuit protected and
overload protected @ 110-145%
above max. rating
Over voltage protection 5.7-6.7 Vdc on output
DC O/p Ripple See Voltage/Current Rating Chart
Min. Load Requirement 1A/5V, 0.5A/12V, 0A/-12V
Cross Regulation ±1% on 5Vdc; ±2% on 12Vdc,
±5% on -12Vdc

Special Features

- Universal Input
- 4" x 7" footprint
- Meets Class B conducted emission
- Internal Fusing
- Output Over voltage protection
- Output Overload and short circuit protection
- UL 1950, CSA 60950
- 100 KHz switching frequency

Environmental

Operating temperature: 0° to 50°C ambient
Humidity: Operating; non-cond. 5% to 95%
Storage temperature: -40° to 85°C
Temperature coefficient: ±.04% per °C
MTBF: >180,000Hrs

Safety

UL 1950
CSA 60950



Dimensions shown for reference only.
Specifications subject to change.

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Voltage/Current Rating Chart

O/P Voltage	Min. Load	Max. Load	Peak	Tol ±	Ripple
5Vdc	1A	8A	10A	2%	1.5%
12Vdc	.5A	6A	8A	1%	1%
-12Vdc	0A	0.8A	1.5A	5%	2.5%

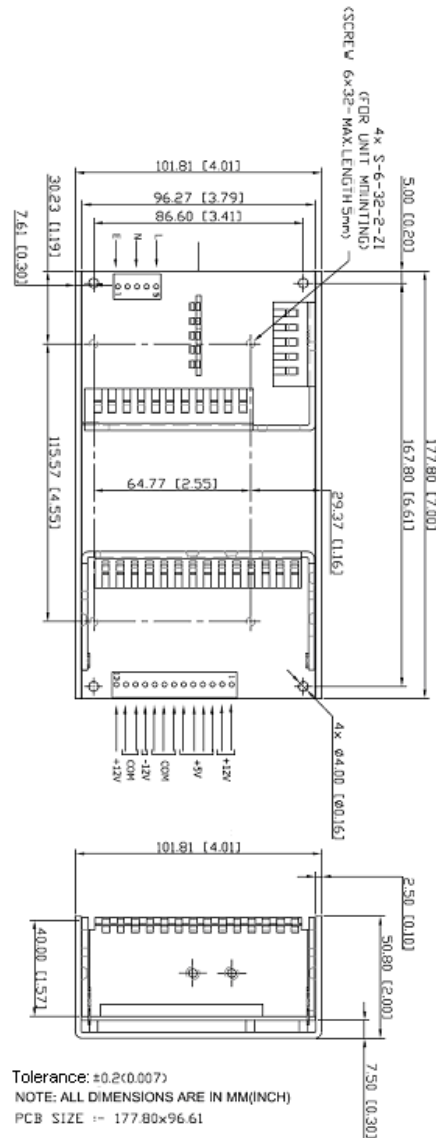
Pin Assignments

Input Connector PE, L2, L1	Molex, 5 Pin: 09-65-2058 or Eq. Pins 1, 3, 5 Pins 2 & 4 removed
Output Connector	AUK, 13 Pin: KK13D or Combination of 6 pin (09-65-2068) + 7 pin (09-65-2078) or Eq.
+12 Vdc	Pins 1, 2, 13
Gnd	Pins 7, 8, 9, 11, 12
+5 Vdc	Pins 3, 4, 5, 6
-12 Vdc	Pin 10
Mating Connector AC Input	Molex Conn.: 09-52-4054 Crimp: 2878
DC Output	AUK Conn.: KKS13H or Combination of 6pin + 7pin Molex Crimp: 2878

Notes:

1. All dimensions are in mm (in.).
2. Mounting holes shall be grounded for EMI purposes.
3. All measurements performed at 115Vac input, 25°C.
4. Warranty: 1year
5. Weight: 1.0lb / 0.45kg
6. For custom voltages contact factory.
7. For other connections/terminations contact factory.

Mechanical Dimensions



Radius Power reserves the right to make changes to its products or to discontinue any product or service without notice and advise customers to verify the most up to date product information before placing orders. Radius power assumes no liability or responsibility for customer's applications using Radius power products other than repair or replacing (at RP's option) Radius Power products not meeting RP's published specifications. Nothing will be covered outside of standard product warranty.

Catalog 01-06 Dimensions are shown for Reference purposes only. Specifications are subject to change.

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