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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RSC350 Commercial/RSM350 Medical 350 Watt Multiple Output

FEATURES:

- Automatic line range selection
- Fully regulated and floating outputs
- Modular output configurations
- FCC/CISPR 11, 22
- Commercial Approved to UL1950, CSA 22.2 No. 234L6, IEC2950, EN60950
- Medical Approved to UL2601-1, IEC601 and CSA 601.1
- "Smart Load" feature eliminates minimum load requirements
- 2-year warranty
- CE marked to LVD

SPECIFICATIONS:

Ac Input
90-132 and 180-264 Vac. 50/60 Hz single phase

Input Current
9/4.5 A

Hold-Up Time
20 ms minimum from loss of ac input at full load, nominal line (115 Vac).

Output Power
350 W with cover fan option (390 W) peak).

Overload Protection
Standard on all outputs, recovery automatic.

Overvoltage Protection
Standard on all outputs within ranges below:

OUTPUT	OVP SETTING	V ADJ. RANGE
5 V	5.6-6.8 V	4.6-5.5 V
12 V & 15 V	18-22 V	11.5-15.3 V
24 V & 28 V	29-35 V	22.0-30.0 V

Efficiency
74% minimum at full load; nominal input voltage.

Turn-on Time
Less than 2 seconds.

Input Protection
Internal ac fuse provided. Designed to blow only if a catastrophic failure occurs in the unit-fuse does not blow on overload or short circuit.

Inrush Current
60 A minimum

Temperture Coefficient
0.03%/°C typical on all units

Environmental
Designed for 0 to 50°C operation at full rated output power; derate output current and total output power by 2.5% per °C above 50°C. See Environmental and Packaging Specifications on next page for additonal informaton.

Power Fail
A TTL signal goes low upon failure. 6mS min. before output drops 5%.

Output Noise
0.5% rms. 1% pk-pk measured directly across output terminals.

Transient Response
Main output- 500 µsec typical response time for return to within 0.5% of final value for a 50% boad step change. Di/Dt<0.2/µsec. Maximum voltage deivation is 3.5%

Remote Sense
Standard on main output; will compensate for 0.5 V of cabling losses.

Voltage Adjustment
Built-in potentiometers adjust outputs minmum of ±5%.

Reverse Voltage Protection
All outputs protected against inadvertent application of reverse voltage up to 1 times rated current of the reversed output.

EMI/EMC Compliance
All models include built-in EMI filtering to meet the following emissions requirements:

EMI SPECIFICATION	COMPLIANCE LEVEL
Conducted Emissions	EN55022 Class B; FCC Class B
Static Discharge	EN61000-4.2, 6 kV contact 8 kV air
RF Field Susceptibility	EN61000-4.3, 3 V/meter
Fast Transients/Bursts	EN610004-4, 2 kV. 5 kHz
Surge Susceptibility	EN61000-4-5, 1kV diff., 2 kV com

Commercial Leakage Current
100 µA

Commercial Safety
Approval to UL1950 (no D3 deviations). CSA 22.2 No. 234L6. IEC950 and EN60950.

Medical Leakage Current
80 µA

Medical Safety
Approved to UL2601-1, IEC601, CSA601.1 for patient vicinity (non-invasive applications. Consult factory for approval status. Outputs are intended for Protectively Earthed Signal Output and Intermediate Circuits only.
Outputs are not acceptable for patient connection without additional isolation. The creepage distance between primary and ground is 4 mm minimum, 8 mm between primary and secondary circuits.

Vibration
Designed to meet requirements of MIL-STD 810E. Method 514.4 Category 1. This test consists of random vibration at 0.015g/Hz from 5 to 50 Hz declining linearly to 0.15 g2/Hz in each axis for one hour. Shock Designed to meet MIL-STD 810E. Method 516.4. Unpackaged units shall meet the bench handling requirements of procedures V1 for four drops per face.

CONDOR Condor D.C. Power Supplies, Inc., 2311 Statham Parkway, Oxnard, CA 93033
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RSC350 Commercial/RSM350 Medical 350 Watt Multiple Output

Commercial Model	Medical Model	Main	Aux 1	Aux 2	Aux 3
RSC350BBB	RSM350BBB	5 V @ 40 A	12 V @ 12 A	12 V @ 4 A	12 V @ 4 A
RSC350DBB	RSM350DBB	5 V @ 40 A	24 V @ 6 A	12 V @ 4 A	12 V @ 4 A
RSC350DAC	RSM350DAC	5 V @ 40 A	24 V @ 6 A	5 V @ 4 A	15 V @ 4 A
RSC350BAD	RSM350BAD	5 V @ 40 A	12 V @ 12 A	5 V @ 4 A	24 V @ 2.5 A
RSC350BAB	RSM350BAB	5 V @ 40 A	12 V @ 12 A	5 V @ 4 A	12 V @ 4 A
RSC352BAB	RSM352BAB	24 V @ 8 A	12 V @ 12 A	5 V @ 4 A	12 V @ 4A
RSC352BAD	RSM352BAD	24 V @ 8 A	12 V @ 12 A	5 V @ 4 A	24 V @ 2.5 A
RSC352BBB	RSM352BBB	24 V @ 8 A	12 V @ 12 A	12 V @ 4 A	12 V @ 4 A
RSC352DAC	RSM352DAC	24 V @ 8 A	24 V @ 6 A	5 V @ 4 A	15 V @ 4 A
RSC352DBB	RSM352DBB	24 V @ 8 A	24 V @ 6 A	12 V @ 4 A	12 V @ 4 A

Output configurations:
"A" auxiliary output adjusts from 4.7 to 5.3Vdc. Available on AUX 2 only
"B" auxiliary output adjusts from 11.5 to 15.5Vdc.
"C" same as "B" but factory set at 15Vdc.
"D" auxiliary output adjusts from 23 to 29Vdc. Available on AUX 1 and 3

RSC35x/RSM35x MECHANICAL SPECIFICATIONS

INPUT: TB1 TERMINAL BLOCK, #6-32 x 0.375"
- PIN 1) AC LINE
- PIN 2) AC NEUTRAL
- PIN 3) CHASSIS GROUND

OUTPUT: BUSSBAR
- +V1 +5V @40A
- COMMON +5V RTN

OUTPUT: TB2 TERMINAL BLOCK, #6-32 x 0.375
- PIN 1) AUX#1 (RTN)
- PIN 2) AUX#1 (+)
- PIN 3) AUX#2 (RTN)
- PIN 4) AUX#2 (+)
- PIN 5) AUX#3 (RTN)
- PIN 6) AUX#3 (+)

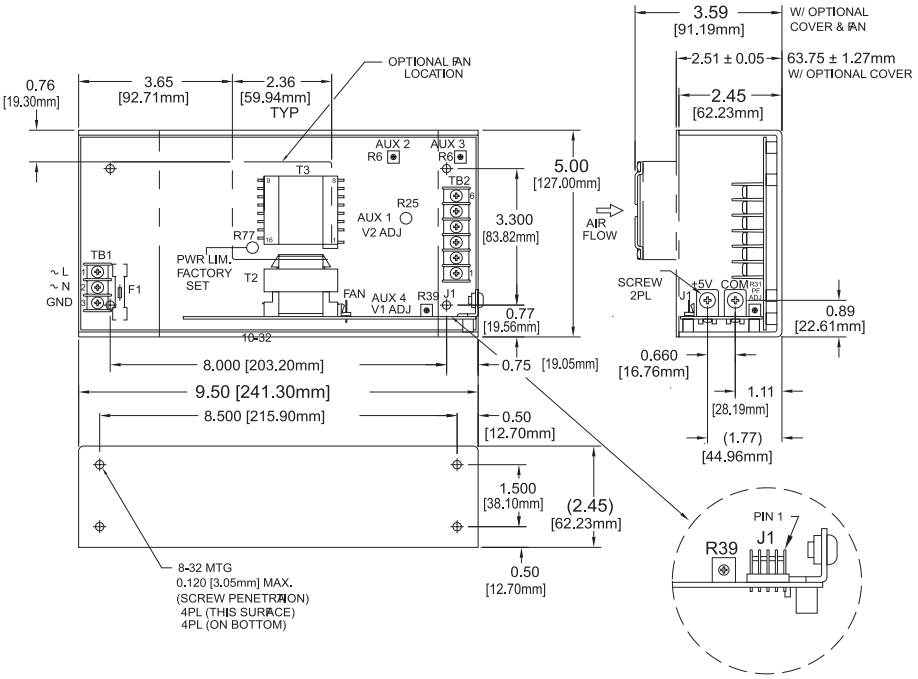
OUTPUT VOLTAGE ADJUST.:
- R39 OUT 1 V. ADJ.(MAIN/AUX4)
- R25 OUT 2 V. ADJ.(AUX1)
- R6 OUT 3 V. ADJ.(AUX2)
- R6 OUT 4 V.ADJ.(AUX3)

SIGNALS: J1 AMP P/N 640456-5
- PIN 1) POWERGOOD
- PIN 2) POWER FAIL
- PIN 3) INHIBIT HI
- PIN 4) +SENSE
- PIN 5) -SENSE
- R31 POWER FAIL ADJ.

FAN CONN: AMP P/N 640456-2
- +12V 0-0.5 AMP

WEIGHT: 4.0 LBS. MAX. (1.82 kg MAX.)

TOLERANCES: X.XX=0.030 [0.76mm]
X.XXX=0.010 [0.25mm]



Environmental Specification	Operating	Non-operating
Temperature (A)	0 to 50°C	-40 to +85°C
Humidity (A)	0 to 95% RH	0 to 95% RH
Shock (B)	20 g_{pk}	40 g_{pk}
Altitude	-500 to 10,000 ft	-500 to 40,000 ft
Vibration (C)	1.5 g_{rms}, 0.003 g^2/Hz	5 g_{rms}, 0.026 g^2/Hz

A. Units should be allowed to warm up/operate under non-condensing conditions before application of power. Derated output current and toal output power by 2.5% per °C above 50°C.
B. Random vibration—10 to 2000Hz, 6dB/octave roll-off from 350 to 2000Hz, 3 orthogonal axes. Tested for 10 min./axis operating and 1 hr./axis non-operating.
C. Shock testing—half-sinusoidal, 10 ± 3 ms duration, ± direction, 3 orthogonal axes, total 6 shocks.