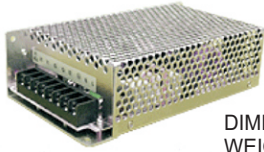




## Features



DIMENSIONS: 190(L) x 106(W) x 51(H)mm  
WEIGHTS: 780g

- Convection cooled
- 100% burn-in test
- Burn-in power factor corrector
- Build-in line filter
- Great reliability
- MOSFET designed
- 120,000 Hrs MTBF per MIL-HDBK-217F
- 2 years Warranty
- **Output modify range: 3V~200VDC**
- **Split rail & Series connection possible**



## General specifications

INPUT

|                        |                          |
|------------------------|--------------------------|
| Input range            | 90~264VAC<br>127~380VDC  |
| Input frequency        | 47~63Hz                  |
| Inrush current (25° C) | 20A/110VAC<br>40A/220VAC |
| Power factor           | 95% Min                  |

OUTPUT

|                         |                         |
|-------------------------|-------------------------|
| Hold-up time            | 16mS                    |
| Short protection        | Autorecovery            |
| Overload protection     | Automatic power limited |
| Over voltage protection | Autorecovery            |

## Detail specifications




150 Watts

| MODEL          | O/P Volt<br>Adj. ± %             | Load(Current) <sup>1</sup> |              |             | Ripple<br>&<br>Noise <sup>4</sup> | Line<br>REG. <sup>2</sup> | Load<br>REG. <sup>3</sup> | Efficiency <sup>5</sup> | O.V.P.<br>Trip point     |
|----------------|----------------------------------|----------------------------|--------------|-------------|-----------------------------------|---------------------------|---------------------------|-------------------------|--------------------------|
|                |                                  | Min.                       | Rated        | Peak        |                                   |                           |                           |                         |                          |
| RP1150-05CP    | V1: +5V ±10%                     | 0A                         | 30A          | 45A         | 50mVp-p                           | ±1%                       | ±1%                       | 70% Min.                | 5.8 ~ 7.0V               |
| RP1150-08CP    | V1: +8V ±10%                     | 0A                         | 18.8A        | 40A         | 80mVp-p                           | ±1%                       | ±1%                       | 73% Min.                | 12 ~ 14V                 |
| RP1150-12CP    | V1: +12V ±10%                    | 0A                         | 12.5A        | 26.6A       | 150mVp-p                          | ±1%                       | ±1%                       | 75% Min.                | 15.0 ~ 18V               |
| RP1150-13.5CP  | V1: +13.5V ±10%                  | 0A                         | 11.1A        | 23.7A       | 150mVp-p                          | ±1%                       | ±1%                       | 75% Min.                | 20~ 24V                  |
| RP1150-15CP    | V1: +15V ±10%                    | 0A                         | 10A          | 21.3A       | 150mVp-p                          | ±1%                       | ±1%                       | 76% Min.                | 20 ~ 24V                 |
| RP1150-24CP    | V1: +24V ±10%                    | 0A                         | 6.25A        | 13.3A       | 150mVp-p                          | ±1%                       | ±1%                       | 77% Min.                | 27.6 ~ 31V               |
| RP1150-36CP    | V1: +36V ±10%                    | 0A                         | 4.16A        | 8.9A        | 360mVp-p                          | ±1%                       | ±1%                       | 78% Min.                | 45 ~ 55V                 |
| RP1150-48CP    | V1: +48V ±10%                    | 0A                         | 3.12A        | 6.7A        | 480mVp-p                          | ±1%                       | ±1%                       | 78% Min.                | 54 ~ 60V                 |
| • RP1150-60CP  | V1: +60V ±10%                    | 0A                         | 2.5A         | 5.3A        | 600mVp-p                          | ±1%                       | ±1%                       | 78% Min.                | 68 ~ 78V                 |
| • RP1150-120CP | V1: +120V ±10%                   | 0A                         | 1.25A        | 2.6A        | 1200mVp-p                         | ±1%                       | ±1%                       | 78% Min.                | 190 ~ 230V               |
| RP21501CP      | V1: +8V ±10%<br>V2: +5V -----    | 0A<br>0A                   | 15A<br>3A    | 37.5A<br>3A | 80mVp-p<br>50mVp-p                | ±1%<br>1%                 | ±1%<br>3%                 | 70% Min.                | 12 ~ 14V<br>5.8 ~ 7.0V   |
| RP21502CP      | V1: +12V ±10%<br>V2: +5V -----   | 0A<br>0A                   | 11.25A<br>3A | 25A<br>3A   | 100mVp-p<br>50mVp-p               | ±1%<br>1%                 | ±1%<br>3%                 | 75% Min.                | 14.5 ~ 17V<br>5.8 ~ 7.0V |
| RP21503CP      | V1: +15V ±10%<br>V2: +5V -----   | 0A<br>0A                   | 9A<br>3A     | 20A<br>3A   | 150mVp-p<br>50mVp-p               | ±1%<br>1%                 | ±1%<br>3%                 | 75% Min.                | 19 ~ 23V<br>5.8 ~ 7.0V   |
| RP21504CP      | V1: +24V ±10%<br>V2: +5V -----   | 0A<br>0A                   | 5.62A<br>3A  | 12.5A<br>3A | 150mVp-p<br>50mVp-p               | ±1%<br>1%                 | ±1%<br>3%                 | 75% Min.                | 27.6 ~ 30V<br>5.8 ~ 7.0V |
| RP21505CP      | V1: +13.5V ±10%<br>V2: +5V ----- | 0A<br>0A                   | 10A<br>3A    | 22A<br>3A   | 150mVp-p<br>50mVp-p               | ±1%<br>1%                 | ±1%<br>3%                 | 73% Min.                | 19 ~ 23V<br>5.8 ~ 7.0V   |
| RP21506CP      | V1: +24V ±10%<br>V2: +12V -----  | 0A<br>0A                   | 4.75A<br>3A  | 11.5A<br>3A | 150mVp-p<br>50mVp-p               | ±1%<br>1%                 | ±1%<br>3%                 | 75% Min.                | 27.6 ~ 30V<br>14.5 ~ 17V |
| RP21507CP      | V1: +24V ±10%<br>V2: +12V -----  | 0A<br>0A                   | 7.6A<br>3A   | 18.5A<br>3A | 150mVp-p<br>50mVp-p               | ±1%<br>1%                 | ±1%<br>3%                 | 75% Min.                | 19 ~ 23V<br>5.8 ~ 7.0V   |

**EMC Standards**

EN 55022 Class A  
EN61000-3-2, EN61000-3-3  
EN 55024 (IEC EN61000-4-2,  
IEC 61000-4-3, IEC 61000-4-4,  
IEC 61000-4-5, IEC 61000-4-6,  
IEC 61000-4-8, IEC 61000-4-11)

**Safety Standards**

 UL 60950 APPROVAL  
 CSA 60950 APPROVAL  
 CE Marking

**Environments**

|                              |                           |
|------------------------------|---------------------------|
| <b>Operating Temperature</b> | -15 ~ 50°C, Ambient       |
| <b>Operating Humidity</b>    | 5 ~ 95% RH, No Condensing |
| <b>Storage Temperature</b>   | -20 ~ 85°C, Ambient       |
| <b>Vibration</b>             | 2G, 10~500Hz, 3 axes      |

- NOTE:**
1. Each output can provide up to maximum load, but total load can not exceed rated output power.
  2. Line regulation is measured from low line to high line at rated load.
  3. Load regulation is measured from 20% to 100% of rated load at 110VAC input.
  4. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
  5. Efficiency is measured at rated load and 110VAC input.
  6. Hold-up time is measured at rated load and 110VAC input.
  7. With ● are non-safety approval
  8. Reign Power reserve the right to change specifications at any time without notice.