

DRF480-24-1

SPECIFICATIONS

PA620-01-01D

| MODEL | | DRF480-24-1 |
|-------|---|-------------|
| ITEMS | | |
| 1 | Nominal Output Voltage | V |
| 2 | Maximum Output Current | A |
| 3 | Peak Output Current (85~100VAC / > 100VAC) (*12,13) | A |
| 4 | Maximum Output Power | W |
| 5 | Peak Output Power (85~100VAC / > 100VAC) (*12,13) | W |
| 6 | Standby Input Power (Typ) (230VAC) (*14) | W |
| 7 | Efficiency (Typ) (115/230VAC) (*1) | % |
| 8 | Average Active Efficiency (Typ) (230VAC) | % |
| 9 | Input Voltage Range (*2) | V |
| 10 | Input Current (Typ) (115/230VAC) (*1) | A |
| 11 | Inrush Current (Typ) (230VAC) (*3) | A |
| 12 | PFHC | - |
| 13 | Power Factor (Typ) (115/230VAC) (*1) | - |
| 14 | Output Voltage Range | V |
| 15 | Ripple & Noise (*1,4) | mV |
| 16 | Line Regulation (*5,6) | mV |
| 17 | Load Regulation (*5,7) | mV |
| 18 | Temperature Coefficient | - |
| 19 | Over Current Protection (*8) | - |
| 20 | Over Voltage Protection (*9) | V |
| 21 | Hold-up Time (Typ) (*1) | ms |
| 22 | Leakage Current (*10) | - |
| 23 | Remote Sensing | - |
| 24 | Remote ON/OFF control | - |
| 25 | Monitoring Signal | - |
| 26 | Series Operation | - |
| 27 | Parallel Operation | - |
| 28 | Operating Temperature (*11,16) | - |
| 29 | Operating Humidity | - |
| 30 | Storage Temperature | - |
| 31 | Storage Humidity | - |
| 32 | Cooling | - |
| 33 | Withstand Voltage | - |
| 34 | Isolation Resistance | - |
| 35 | Vibration | - |
| 36 | Shock (In Package) | - |
| 37 | Operating Altitude | - |
| 38 | Safety | - |
| 39 | EMI | - |
| 40 | CE | - |
| 41 | Immunity | - |
| 42 | Weight(Typ.) | g |
| 43 | Size (L x W x H) | mm |

* Read instruction manual carefully, before using the power supply unit.

=NOTES=

- *1. At Maximum Output Power, nominal input voltage, Ta = 25°C.
- *2. For cases where conformance to various safety specs (UL, CSA, EN) are required, to be described as 100 - 240VAC, 50 / 60Hz on name plate.
- *3. Not applicable for the in-rush current to Noise Filter for less than 0.2mS.
- *4. Ripple & noise are measured at 20MHz by using a 300mm twisted pair of load wires terminated with a 0.1uF Film Capacitor and a 47uF Electrolytic Capacitor.
- *5. Measure line & load regulation at output terminal.
- *6. 85 - 264VAC, constant load.
- *7. No load - Full load, constant input voltage.
- *8. Constant current limit with auto recovery. Over rated current (>105%) condition for more than 4 sec will cause power supply to shutdown. Output may enter hiccup mode when the output voltage falls below approximately 20V or at short circuit condition.
- *9. OVP circuit will shutdown output, manual reset (CNT reset or Re-power on).
- *10. Measured by each measuring method of UL and EN (at 60Hz), Ta = 25°C.
- *11. Refer to Output Derating Curve (PA620-01-02_) for details of output derating versus ambient temperature.
- *12. Operating period at peak output current is 4sec. max, duty ≤ 0.35, <20Arms Current.
- *13. Refer to Figure 1 Output Current vs Input Voltage Derating curve (PA620-01-02_).
- *14. Standby input power refers to the power consumption during remote off.
- *15. All parameters not specifically mentioned are measured at 230VAC input, rated load and Ta = 25°C.
- *16. For cases where conformance to various safety specs, operating temperature is -25 ~ +70°C.

FIGURE 1

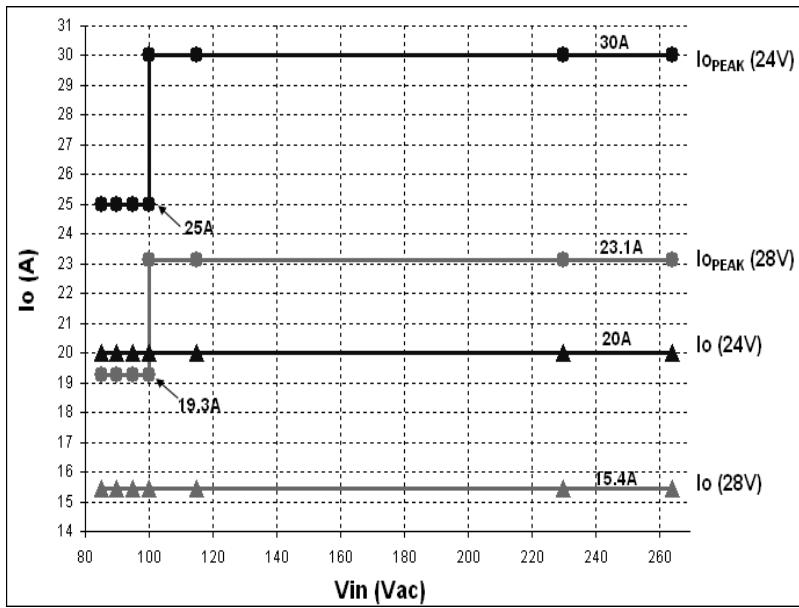


Fig 1 : Output Current Vs Input Voltage Derating

DERATING CURVE

*COOLING : CONVECTION COOLING

| Ta (°C) | LOAD (%) | STANDARD MOUNTING |
|-----------|----------|-------------------|
| -25 ~ +60 | 100 | |
| 70 | 75 | |

