



VICD-45 Single Output Industrial DIN Rail Power Supply

Features:

Universal AC input/ full range
 Protections: Short circuit/ Over load/ Over voltage/ Over temperature
 Cooling by free air convection
 Can be installed on DIN rail TS-3.5/7.5 or 15
 LED indicator for power on
 100% full load burn-in test
 Fixed switching frequency at 100KHz
 Dimensions: 93*78*67mm (L*W*H)

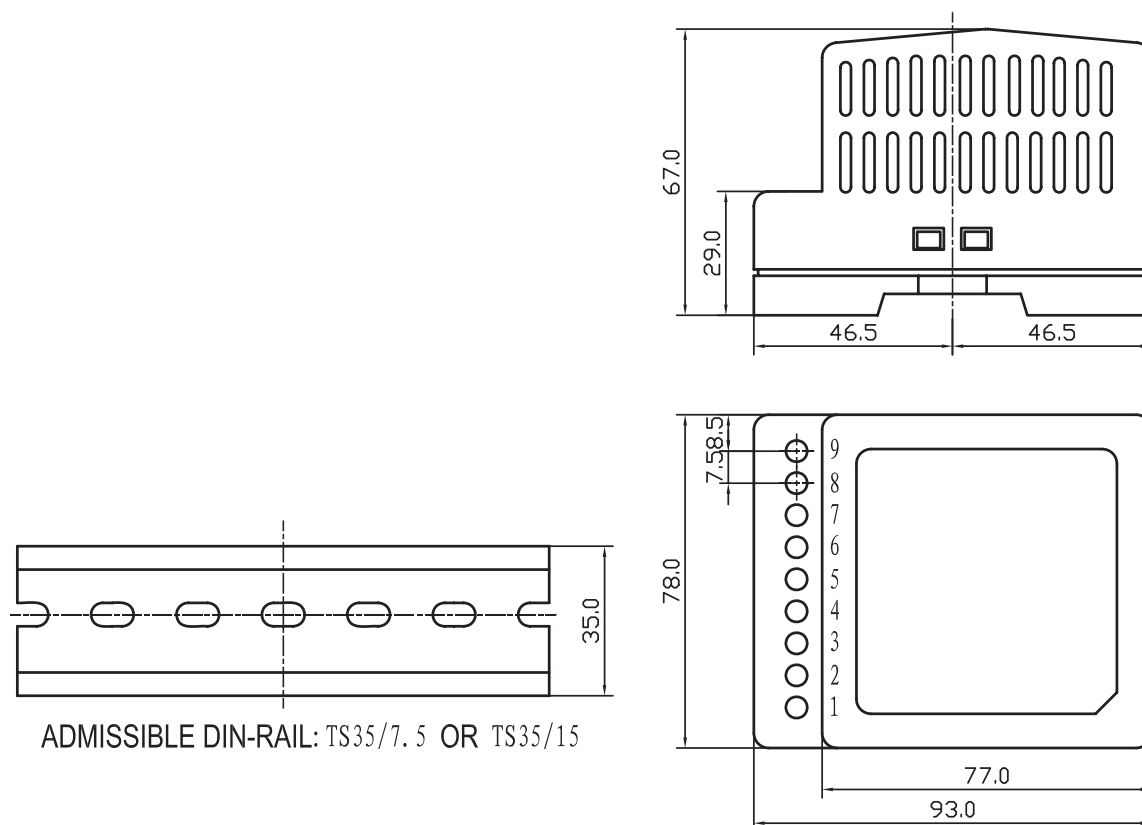


| MODEL | | A RICHIESTA | 13/19510 | A RICHIESTA | 13/19512 |
|-------------|--|--|------------|-------------|------------|
| OUTPUT | DC VOLTAGE | 5V | 12V | 15V | 24V |
| | VOLTAGE TOLERANCE | ± 2% | ± 1% | ± 1% | ± 1% |
| | RATED CURRENT | 5A | 3.5A | 2.8A | 2A |
| | CURRENT RANGE | 0-5A | 0-3.5A | 0-2.8A | 0-2A |
| | RATED POWER | 25W | 42W | 42W | 48W |
| | RIPPLE & NOISE | 100mVp-p | 200mVp-p | 240mVp-p | 480mVp-p |
| | DC ADJUSTMENT RANGE | 4.75-5.5V | 10.8-13.2V | 13.5-16.5V | 21.6-26.4V |
| | SETUP, RISE, HOLD TIME | 800ms,60ms , 100ms/230VAC at full load | | | |
| INPUT | VOLTAGE RANGE | 85+ 264 VAC 47+ 63 Hz; selected by switch120+ 370VDC | | | |
| | AC CURRENT | 1.5 A/115 V 0.75A/ 230 V | | | |
| | EFFICIENCY | 72% | 77% | 77% | 80% |
| | INRUSH CURRENT | Cold start 28A/115V 56A/230V | | | |
| | LEAKAGE CURRENT | < 1mA/240VAC | | | |
| PROTECTION | OVER LOAD | 105%+ 150% | | | |
| | | Protection type: Constant current limiting, recovers automatically after fault condition is removed | | | |
| | OVER VOLTAGE | 115%+ 135% | | | |
| | | Protection type: Shut down o/p voltage, re-power on to recover | | | |
| | OVER TEMP. | Tj 135 typically (U1) Detect on heat sink of power transistor, shut down o/p voltage, recovers automatically after temperature goes down | | | |
| ENVIRONMENT | WORKING TEMP., HUMIDITY | -10°C+ +50°C; 20%+ 90 %RH | | | |
| | STORAGE TEMP., HUMIDITY | -20°C+ +85°C; 10%+ 95 %RH | | | |
| | VIBRATION | 10+ 500Hz, 2G 10min./1cycle, period for 60min, each along X, Y, Z axes | | | |
| SAFETY | WITHSTAND VOLTAGE | I/P-O/P: 3KVAC I/P-FG: 1.5KVAC O/P-FG: 0.5KVAC | | | |
| | ISOLATION RESISTANCE | I/P-O/P, I/P-FG, O/P-FG: 100M Ohms / 500VDC | | | |
| STANDARD | SAFETY STANDARD | Design refer to UL508,TUV EN60950-1 | | | |
| | EMC STANDARD | Design refer to EN55011,EN55022,EN61000-3-2,-3,EN61000-4-2,3,4,5,6,8,11,ENV50204, EN55024,EN61000-6-2 | | | |
| OTHERS | WEIGHT | 0.31Kg | | | |
| | PACKING | 48pcs/16.1Kg/1.3CUFT | | | |
| NOTE | 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µ & 47µ parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. | | | | |

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VICD-45 Series

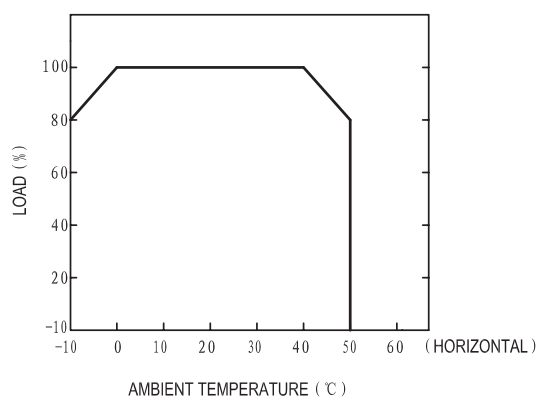
■ Outline and Dimension:



Terminal Pin No. Assignment:

| Pin No. | Assignment | Pin No. | Assignment | Pin No. | Assignment |
|---------|------------|---------|--------------|---------|------------|
| 1 | AC/L | 4,5 | DC OUTPUT -V | 9 | +V ADJ. |
| 2 | AC/N | 6,7 | DC OUTPUT +V | | |
| 3 | FG —⊕ | 8 | LED | | |

■ Output Derating



■ Static Characteristics (24V)

