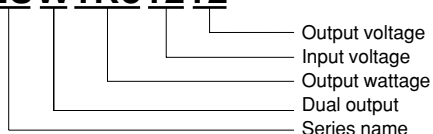




- Thin profile
- Isolated between input-output
- Built-in overcurrent protection circuit
- UL recognized, TÜV approved, CSA certified
- Five-year warranty

ORDERING INFORMATION

ZUW1R51212



SPECIFICATIONS

Output pins can be connected in series to make a 24V/30V output.

| | MODEL | ZUW1R50512 | ZUW1R50515 | ZUW1R51212 | ZUW1R51215 | ZUW1R52412 | ZUW1R52415 | ZUW1R54812 | ZUW1R54815 | |
|--------------------|---------------------------------------|---|------------|------------|------------|------------|------------|------------|------------|--|
| INPUT | VOLTAGE [V] | DC4.5~9 | | DC9~18 | | DC18~36 | | DC36~72 | | |
| | CURRENT [A]※1 | 0.466 typ | 0.448 typ | 0.183 typ | 0.176 typ | 0.092 typ | 0.088 typ | 0.046 typ | 0.044 typ | |
| | EFFICIENCY [%]※1 | 67 typ | 67 typ | 71 typ | 71 typ | 71 typ | 71 typ | 71 typ | 71 typ | |
| OUTPUT | VOLTAGE [V] | ±12 (+24) | ±15 (+30) | ±12 (+24) | ±15 (+30) | ±12 (+24) | ±15 (+30) | ±12 (+24) | ±15 (+30) | |
| | CURRENT [A] | 0.065 | 0.050 | 0.065 | 0.050 | 0.065 | 0.050 | 0.065 | 0.050 | |
| | LINE REGULATION [mV] | 60max | 75max | 60max | 75max | 60max | 75max | 60max | 75max | |
| | LOAD REGULATION [mV] | 600max | 750max | 600max | 750max | 600max | 750max | 600max | 750max | |
| | RIPPLE ※3 [mVp-p] | 120max | 120max | 120max | 120max | 120max | 120max | 120max | 120max | |
| | RIPPLE NOISE ※3 [mVp-p] | 150max | 150max | 150max | 150max | 150max | 150max | 150max | 150max | |
| | TEMPERATURE REGULATION -20~+55°C [mV] | 150max | 180max | 150max | 180max | 150max | 180max | 150max | 180max | |
| | DRIFT [mV]※2 | 50max | 60max | 50max | 60max | 50max | 60max | 50max | 60max | |
| | START-UP TIME [ms] | 20max (Minimum input, lo = 100 %) | | | | | | | | |
| | OUTPUT VOLTAGE ADJUSTMENT RANGE [V] | FIXED | | | | | | | | |
| PROTECTION CIRCUIT | OVERCURRENT PROTECTION | Works over 105 % of rating and recovers automatically. | | | | | | | | |
| ISOLATION | INPUT-OUTPUT | AC500V, 1minute, Cutoff current=10mA, DC500V, 50MΩ min. (At Room Temperature) | | | | | | | | |
| | INPUT-CASE | AC500V, 1minute, Cutoff current=10mA, DC500V, 50MΩ min. (At Room Temperature) | | | | | | | | |
| | OUTPUT-CASE | AC500V, 1minute, Cutoff current=10mA, DC500V, 50MΩ min. (At Room Temperature) | | | | | | | | |
| ENVIRONMENT | OPERATING TEMP. HUMID. AND ALTITUDE | -20~+71°C, 20~95%RH (Non condensing) (Refer to DERATING CURVE) , 3,000m (10,000feet) max | | | | | | | | |
| | STORAGE TEMP. HUMID. AND ALTITUDE | -40~+85°C, 20~95%RH (Non condensing) , 9,000m (30,000feet) max | | | | | | | | |
| | VIBRATION | 10~55Hz, 98.0m/s ² (10G) , 3 minutes period, 60 minutes each along X, Y and Z axis | | | | | | | | |
| | IMPACT | 490.3m/s ² (50G) , 11ms, once each X, Y and Z axis | | | | | | | | |
| SAFETY | AGENCY APPROVALS | UL1950, EN60950, CSA C22.2 No.950 Complies with IEC60950 | | | | | | | | |

※1 Rated input 5V, 12V, 24V or 48V DC, lo=100%.

※2 The drift is a change at 25°C of ambient temperature and 30 minutes-8 hours after the input voltage applied at rated input/output.

※3 Measured by 20MHz oscilloscope.

※ The output specification is at ±12V and ±15V.

※ Series/Parallel operation with other model is not possible.