

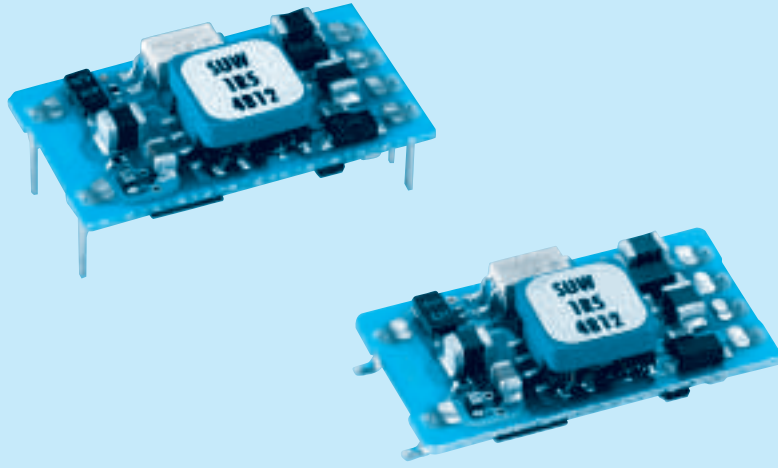
SUWR5

SU W 1R5 12 12 B P

① ② ③ ④ ⑤ ⑥ ⑦



 RoHS



- ① Series name
- ② Dual output
- ③ Output wattage
- ④ Input voltage
- ⑤ Output voltage
- ⑥ Mounting type
B : SMD
C : DIP
- ⑦ Packing form
Blank: Plastic cover
P : Pallet (SMD type)

| MODEL | SUW1R50512 | SUW1R50515 | SUW1R51212 | SUW1R51215 | SUW1R52412 | SUW1R52415 | SUW1R54812 | SUW1R54815 | |
|-----------------------|---------------|------------|------------|------------|------------|------------|------------|------------|------------|
| MAX OUTPUT WATTAGE[W] | 1.56 | 1.5 | 1.56 | 1.5 | 1.56 | 1.5 | 1.56 | 1.5 | |
| DC OUTPUT | VOLTAGE[V] *1 | ±12 or +24 | ±15 or +30 | ±12 or +24 | ±15 or +30 | ±12 or +24 | ±15 or +30 | ±12 or +24 | ±15 or +30 |
| | CURRENT[A] | 0.065 | 0.05 | 0.065 | 0.05 | 0.065 | 0.05 | 0.065 | 0.05 |

SPECIFICATIONS

| | MODEL | SUW1R50512 | SUW1R50515 | SUW1R51212 | SUW1R51215 | SUW1R52412 | SUW1R52415 | SUW1R54812 | SUW1R54815 | |
|------------------------------------|--|--|---------------|---------------|---------------|---------------|---------------|---------------|------------|--------|
| INPUT | VOLTAGE[V] | DC4.5 - 9 | | DC9 - 18 | | DC18 - 36 | | DC36 - 76 | | |
| | CURRENT[A] | *2 0.433typ | 0.417typ | 0.173typ | 0.167typ | 0.087typ | 0.083typ | 0.043typ | 0.042typ | |
| | EFFICIENCY[%] | *2 72typ | 72typ | 75typ | 75typ | 75typ | 75typ | 75typ | 75typ | |
| OUTPUT | VOLTAGE[V] | ±12(+24) | ±15(+30) | ±12(+24) | ±15(+30) | ±12(+24) | ±15(+30) | ±12(+24) | ±15(+30) | |
| | CURRENT[A] | 0.065 | 0.05 | 0.065 | 0.05 | 0.065 | 0.05 | 0.065 | 0.05 | |
| | LINE REGULATION[mV] | 60max | 75max | 60max | 75max | 60max | 75max | 60max | 75max | |
| | LOAD REGULATION[mV] | 600max | 750max | 600max | 750max | 600max | 750max | 600max | 750max | |
| | RIPPLE[mVp-p] | -20 to +55°C *3 | 120max | 120max | 120max | 120max | 120max | 120max | 120max | 120max |
| | | -40 to -20°C *3 | 150max | 150max | 150max | 150max | 150max | 150max | 150max | 150max |
| | RIPPLE NOISE[mVp-p] | -20 to +55°C *3 | 150max | 150max | 150max | 150max | 150max | 150max | 150max | 150max |
| | | -40 to -20°C *3 | 200max | 200max | 200max | 200max | 200max | 200max | 200max | 200max |
| | TEMPERATURE REGULATION[mV] | -20 to +55°C | 150max | 180max | 150max | 180max | 150max | 180max | 150max | 180max |
| | -40 to +55°C | 240max | 290max | 240max | 290max | 240max | 290max | 240max | 290max | |
| DRIFT[mV] | *4 50max | 60max | 50max | 60max | 50max | 60max | 50max | 60max | | |
| START-UP TIME[ms] | 20max (Minimum input, Io=100%) | | | | | | | | | |
| OUTPUT VOLTAGE ADJUSTMENT RANGE[V] | Fixed (TRM pin open) ±5% adjustable by external VR | | | | | | | | | |
| OUTPUT VOLTAGE SETTING[V] (±5%) | 11.40 - 12.60 | 14.25 - 15.75 | 11.40 - 12.60 | 14.25 - 15.75 | 11.40 - 12.60 | 14.25 - 15.75 | 11.40 - 12.60 | 14.25 - 15.75 | | |
| OVERCURRENT PROTECTION | Works over 105% of rating and recovers automatically | | | | | | | | | |
| ISOLATION | INPUT-OUTPUT | AC500V 1minute. Cutoff current = 10mA. DC500V 50MΩ min (20±15°C) | | | | | | | | |
| ENVIRONMENT | OPERATING TEMP., HUMID. AND ALTITUDE | -40 to +85°C, 20 - 95%RH (Non condensing) (Required Derating), 3,000m (10,000feet) max | | | | | | | | |
| | STORAGE TEMP., HUMID. AND ALTITUDE | -40 to +100°C, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max | | | | | | | | |
| | VIBRATION | 10 - 55Hz, 98.0m/s ² (10G), 3minutes period, 60minutes each along X, Y and Z axis | | | | | | | | |
| | IMPACT | 490.3m/s ² (50G), 11ms, once each along X, Y and Z axis | | | | | | | | |
| SAFETY | AGENCY APPROVALS | UL60950-1, C-UL, EN60950-1 | | | | | | | | |
| OTHERS | CASE SIZE/WEIGHT | 21.4 × 6.5 × 12.2mm (W × H × D) / 2g max | | | | | | | | |
| | COOLING METHOD | Convection/Forced air | | | | | | | | |

*1 Output pins can be connected in series to make a 24V/30V output.
 *2 Rated input 5V, 12V, 24V or 48V DC Io=100%
 *3 Ripple and Ripple Noise is measured by using measuring board with capacitor with in 25mm from output pin terminals.
 *4 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25°C.
 * Parallel operation with other model is not possible.