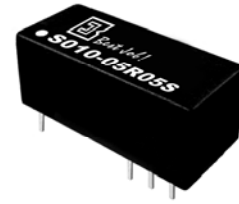


# SR SERIES 0.5W TO 1W REGULATED



## FEATURES

- DUAL IN LINE PACKAGE
- UP TO 1W REGULATED OUTPUT POWER
- 100% BURN IN
- EFFICIENCY UP TO 72%
- NO HEATSINK REQUIRED
- 3 YEARS WARRANTY
- UL 94V-0 PACKAGE MATERIAL
- INTERNAL SMD TECHNOLOGY



| OUTPUT SPECIFICATIONS      |                  | INPUT SPECIFICATIONS                |                     | GENERAL SPECIFICATIONS |                          |
|----------------------------|------------------|-------------------------------------|---------------------|------------------------|--------------------------|
| Voltage Set-point Accuracy | +/-3% max        | Input Voltage Range                 | +/-10% max          | Efficiency             | 55% min                  |
| Temperature Coefficient    | +/-0.05%/°C      | Input Filter                        | Capacitor Type      | Isolation Voltage      | 1500 VDC min             |
| Ripple & Noise(20MHz BW)   | 100mVp-p max     | <b>ENVIRONMENTAL SPECIFICATIONS</b> |                     | Isolation Resistance   | 10 <sup>9</sup> ohms min |
| Line Regulation            | +/-1% max        | Operating Temperature               | -25°C to +71°C      | Isolation Capacitance  | 80pF max                 |
| Load Regulation            | +/-1% max        | Storage Temperature                 | -55°C to +125°C     | Switching Frequency    | 50KHz min                |
| Minimum Load               | 10% of Full Load | Humidity                            | 95% max             | MTBF                   | >2,000,000 Hours         |
| Short Circuit Protection   | Current Limit    | Cooling                             | Free-Air Convection | Case Material          | Non-Conductive Plastic   |

### ● 0.5W OUTPUT

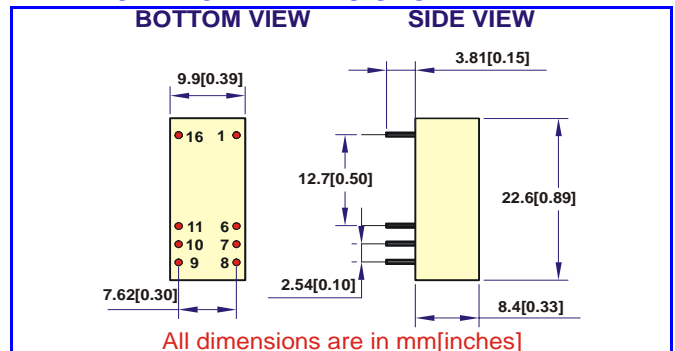
| MODEL NUMBER | INPUT (VDC) | OUTPUT      |              | EFF (%) | ISLOATION (VDC) |
|--------------|-------------|-------------|--------------|---------|-----------------|
|              |             | VOLT. (VDC) | CURRENT (mA) |         |                 |
| S005-05R05S  | 4.5-5.5     | 5           | 100          | 60      | 1500            |
| S005-05R09S  | 4.5-5.5     | 9           | 56           | 57      | 1500            |
| S005-05R12S  | 4.5-5.5     | 12          | 42           | 58      | 1500            |
| S005-05R15S  | 4.5-5.5     | 15          | 34           | 58      | 1500            |
| S005-12R05S  | 10.8-13.2   | 5           | 100          | 61      | 1500            |
| S005-12R09S  | 10.8-13.2   | 9           | 56           | 60      | 1500            |
| S005-12R12S  | 10.8-13.2   | 12          | 42           | 60      | 1500            |
| S005-12R15S  | 10.8-13.2   | 15          | 34           | 58      | 1500            |
| S005-24R05S  | 21.6-26.4   | 5           | 100          | 61      | 1500            |
| S005-24R09S  | 21.6-26.4   | 9           | 56           | 60      | 1500            |
| S005-24R12S  | 21.6-26.4   | 12          | 42           | 58      | 1500            |
| S005-24R15S  | 21.6-26.4   | 15          | 34           | 58      | 1500            |
| S005-48R05S  | 43.2-52.8   | 5           | 100          | 58      | 1500            |
| S005-48R09S  | 43.2-52.8   | 9           | 56           | 55      | 1500            |
| S005-48R12S  | 43.2-52.8   | 12          | 42           | 55      | 1500            |
| S005-48R15S  | 43.2-52.8   | 15          | 34           | 55      | 1500            |

### ● 1W OUTPUT

|             |           |    |     |    |      |
|-------------|-----------|----|-----|----|------|
| S010-05R05S | 4.5-5.5   | 5  | 200 | 61 | 1500 |
| S010-05R09S | 4.5-5.5   | 9  | 100 | 59 | 1500 |
| S010-05R12S | 4.5-5.5   | 12 | 84  | 58 | 1500 |
| S010-05R15S | 4.5-5.5   | 15 | 67  | 58 | 1500 |
| S010-12R05S | 10.8-13.2 | 5  | 200 | 62 | 1500 |

|             |           |    |     |    |      |
|-------------|-----------|----|-----|----|------|
| S010-12R09S | 10.8-13.2 | 9  | 100 | 61 | 1500 |
| S010-12R12S | 10.8-13.2 | 12 | 84  | 60 | 1500 |
| S010-12R15S | 10.8-13.2 | 15 | 67  | 60 | 1500 |
| S010-24R05S | 21.6-26.4 | 5  | 200 | 63 | 1500 |
| S010-24R09S | 21.6-26.4 | 9  | 100 | 61 | 1500 |
| S010-24R12S | 21.6-26.4 | 12 | 84  | 60 | 1500 |
| S010-24R15S | 21.6-26.4 | 15 | 67  | 60 | 1500 |
| S010-48R05S | 43.2-52.8 | 5  | 200 | 61 | 1500 |
| S010-48R09S | 43.2-52.8 | 9  | 100 | 58 | 1500 |
| S010-48R12S | 43.2-52.8 | 12 | 84  | 60 | 1500 |
| S010-48R15S | 43.2-52.8 | 15 | 67  | 60 | 1500 |

### ● MECHANICAL DIMENSIONS



| PIN    | 1 & 16 | 6 & 11 | 7 & 10 | 8 & 9 |
|--------|--------|--------|--------|-------|
| SINGLE | +Vin   | -Vout  | +Vout  | -Vin  |