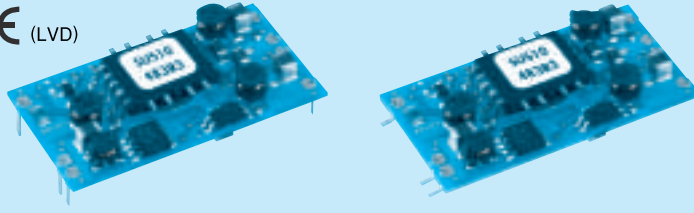


SU S 10 12 05 B P - □

① ② ③ ④ ⑤ ⑥ ⑦ ⑧



- ① Series name  
 ② Single 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)  
 ⑧ Optional  
 G : Capacitor between Input and Output is removed.

| MODEL                 | SUS10053R3    | SUS100505 | SUS100512 | SUS100515 | SUS10123R3 | SUS101205 | SUS101212 | SUS101215 |
|-----------------------|---------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| MAX OUTPUT WATTAGE[W] | 8.58          | 10        | 10.8      | 10.5      | 8.58       | 10        | 12        | 12        |
| DC OUTPUT             | VOLTAGE[V] *1 | 3.3       | 5         | 12        | 15         | 3.3       | 5         | 12        |
|                       | CURRENT[A]    | 2.6       | 2         | 0.9       | 0.7        | 2.6       | 2         | 1         |
|                       |               |           |           |           |            |           |           | 0.8       |

## SPECIFICATIONS

|                               | MODEL                              | SUS10053R3                                           | SUS100505   | SUS100512     | SUS100515     | SUS10123R3  | SUS101205   | SUS101212     | SUS101215     |
|-------------------------------|------------------------------------|------------------------------------------------------|-------------|---------------|---------------|-------------|-------------|---------------|---------------|
| INPUT                         | VOLTAGE[V]                         | DC4.5 - 9                                            |             |               |               | DC9 - 18    |             |               |               |
|                               | CURRENT[A] *2                      | 2.12typ                                              | 2.41typ     | 2.54typ       | 2.47typ       | 0.872typ    | 0.980typ    | 1.15typ       | 1.15typ       |
|                               | EFFICIENCY[%] *2                   | 81typ                                                | 83typ       | 85typ         | 85typ         | 82typ       | 85typ       | 87typ         | 87typ         |
| OUTPUT                        | VOLTAGE[V]                         | 3.3                                                  | 5           | 12            | 15            | 3.3         | 5           | 12            | 15            |
|                               | CURRENT[A]                         | 2.6                                                  | 2           | 0.9           | 0.7           | 2.6         | 2           | 1             | 0.8           |
|                               | LINE REGULATION[mV]                | 20max                                                | 20max       | 48max         | 60max         | 20max       | 20max       | 48max         | 60max         |
|                               | LOAD REGULATION[mV]                | 40max                                                | 40max       | 100max        | 120max        | 40max       | 40max       | 100max        | 120max        |
|                               | RIPPLE[mVp-p]                      | -20 to +55°C *3                                      | 80max       | 80max         | 120max        | 120max      | 80max       | 80max         | 120max        |
|                               |                                    | -40 to -20°C *3                                      | 120max      | 120max        | 150max        | 150max      | 120max      | 120max        | 150max        |
|                               | RIPPLE NOISE[mVp-p]                | -20 to +55°C *3                                      | 120max      | 120max        | 150max        | 150max      | 120max      | 120max        | 150max        |
|                               |                                    | -40 to -20°C *3                                      | 200max      | 200max        | 200max        | 200max      | 200max      | 200max        | 200max        |
|                               | TEMPERATURE REGULATION[mV]         | -20 to +55°C                                         | 50max       | 50max         | 150max        | 180max      | 50max       | 50max         | 150max        |
|                               |                                    | -40 to +55°C                                         | 80max       | 80max         | 240max        | 290max      | 80max       | 80max         | 240max        |
| PROTECTION CIRCUIT AND OTHERS | DRIFT[mV] *4                       | 20max                                                | 20max       | 48max         | 60max         | 20max       | 20max       | 48max         | 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] (±3%)    | 3.21 - 3.42                                          | 4.90 - 5.21 | 11.64 - 12.36 | 14.55 - 15.45 | 3.21 - 3.42 | 4.90 - 5.21 | 11.64 - 12.36 | 14.55 - 15.45 |
| PROTECTION CIRCUIT AND OTHERS | OVERCURRENT PROTECTION             | Works over 105% of rating and recovers automatically |             |               |               |             |             |               |               |
|                               | REMOTE ON/OFF                      | Provided (Negative logic L : ON, H : OFF)            |             |               |               |             |             |               |               |

| MODEL                 | SUS10243R3    | SUS102405 | SUS102412 | SUS102415 | SUS10483R3 | SUS104805 | SUS104812 | SUS104815 |
|-----------------------|---------------|-----------|-----------|-----------|------------|-----------|-----------|-----------|
| MAX OUTPUT WATTAGE[W] | 8.58          | 10        | 12        | 12        | 8.58       | 10        | 12        | 12        |
| DC OUTPUT             | VOLTAGE[V] *1 | 3.3       | 5         | 12        | 15         | 3.3       | 5         | 12        |
|                       | CURRENT[A]    | 2.6       | 2         | 1         | 0.8        | 2.6       | 2         | 1         |
|                       |               |           |           |           |            |           |           | 0.8       |

## SPECIFICATIONS

|                               | MODEL                              | SUS10243R3                                           | SUS102405   | SUS102412     | SUS102415     | SUS10483R3  | SUS104805   | SUS104812     | SUS104815     |
|-------------------------------|------------------------------------|------------------------------------------------------|-------------|---------------|---------------|-------------|-------------|---------------|---------------|
| INPUT                         | VOLTAGE[V]                         | DC18 - 36                                            |             |               |               | DC36 - 76   |             |               |               |
|                               | CURRENT[A] *2                      | 0.436typ                                             | 0.490typ    | 0.575typ      | 0.575typ      | 0.218typ    | 0.245typ    | 0.287typ      | 0.287typ      |
|                               | EFFICIENCY[%] *2                   | 82typ                                                | 85typ       | 87typ         | 87typ         | 82typ       | 85typ       | 87typ         | 87typ         |
| OUTPUT                        | VOLTAGE[V]                         | 3.3                                                  | 5           | 12            | 15            | 3.3         | 5           | 12            | 15            |
|                               | CURRENT[A]                         | 2.6                                                  | 2           | 1             | 0.8           | 2.6         | 2           | 1             | 0.8           |
|                               | LINE REGULATION[mV]                | 20max                                                | 20max       | 48max         | 60max         | 20max       | 20max       | 48max         | 60max         |
|                               | LOAD REGULATION[mV]                | 40max                                                | 40max       | 100max        | 120max        | 40max       | 40max       | 100max        | 120max        |
|                               | RIPPLE[mVp-p]                      | -20 to +55°C *3                                      | 80max       | 80max         | 120max        | 120max      | 80max       | 80max         | 120max        |
|                               |                                    | -40 to -20°C *3                                      | 120max      | 120max        | 150max        | 150max      | 120max      | 120max        | 150max        |
|                               | RIPPLE NOISE[mVp-p]                | -20 to +55°C *3                                      | 120max      | 120max        | 150max        | 150max      | 120max      | 120max        | 150max        |
|                               |                                    | -40 to -20°C *3                                      | 200max      | 200max        | 200max        | 200max      | 200max      | 200max        | 200max        |
|                               | TEMPERATURE REGULATION[mV]         | -20 to +55°C                                         | 50max       | 50max         | 150max        | 180max      | 50max       | 50max         | 150max        |
|                               |                                    | -40 to +55°C                                         | 80max       | 80max         | 240max        | 290max      | 80max       | 80max         | 240max        |
| PROTECTION CIRCUIT AND OTHERS | DRIFT[mV] *4                       | 20max                                                | 20max       | 48max         | 60max         | 20max       | 20max       | 48max         | 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] (±3%)    | 3.21 - 3.42                                          | 4.90 - 5.21 | 11.64 - 12.36 | 14.55 - 15.45 | 3.21 - 3.42 | 4.90 - 5.21 | 11.64 - 12.36 | 14.55 - 15.45 |
| PROTECTION CIRCUIT AND OTHERS | OVERCURRENT PROTECTION             | Works over 105% of rating and recovers automatically |             |               |               |             |             |               |               |
|                               | REMOTE ON/OFF                      | Provided (Negative logic L : ON, H : OFF)            |             |               |               |             |             |               |               |