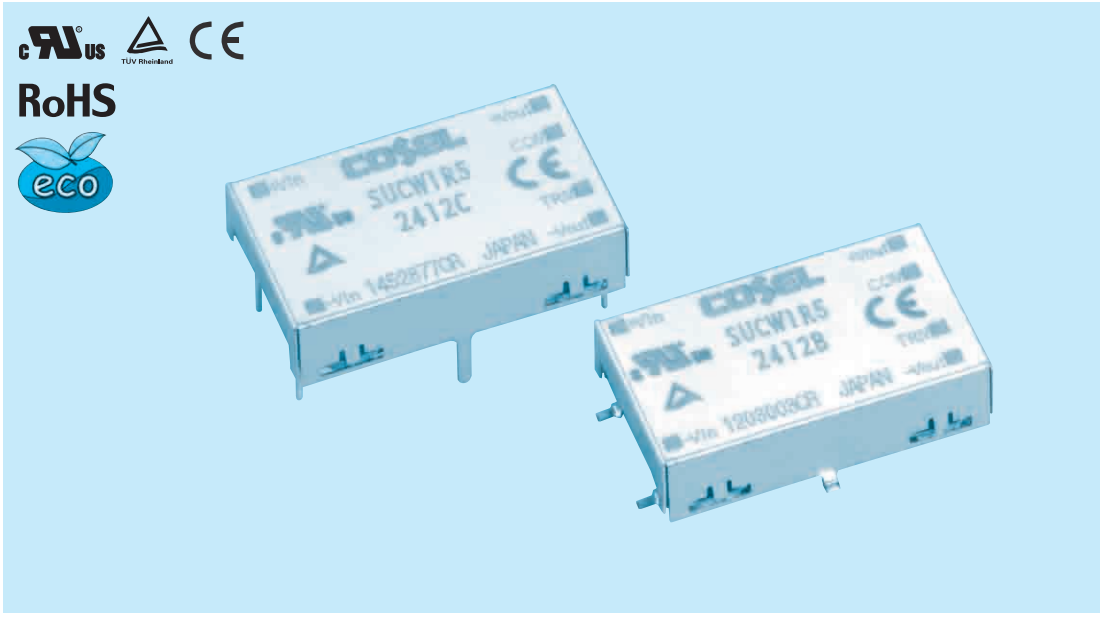
COSEL DC-DC Converters PCB Mount Type

# SUCW1R5

**Ordering information**

| SUC | W | 1R5 | 12 | 12 | B | P | -□ |
|---|---|---|---|---|---|---|---|
| ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ |



①Series name
②Dual output
③Output wattage
④Input voltage
⑤Output voltage
⑥Mounting type
B :SMD
C :DIP
⑦Packing form
Blank:Plastic cover
P :Tray (SMD type)
⑧Optional
C :with coating (only DIP type)*

* Safety standards are pending

SU·SUC/SUT

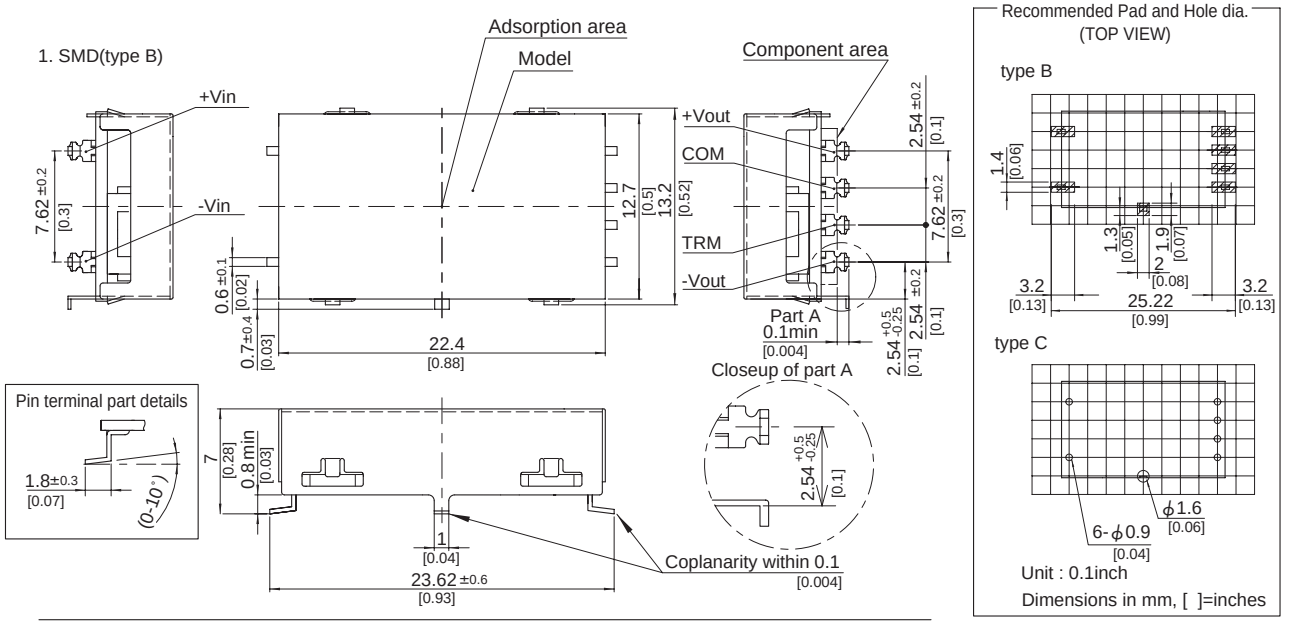
| MODEL | | SUCW1R50512 | SUCW1R50515 | SUCW1R51212 | SUCW1R51215 | SUCW1R52412 | SUCW1R52415 | SUCW1R54812 | SUCW1R54815 |
|---|---|---|---|---|---|---|---|---|---|
| MAX OUTPUT WATTAGE[W] | | 1.56 | 1.5 | 1.56 | 1.5 | 1.56 | 1.5 | 1.56 | 1.5 |
| DC OUTPUT | VOLTAGE[V] *1 | ±12 or +24 | ±15 or +30 | ±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 |

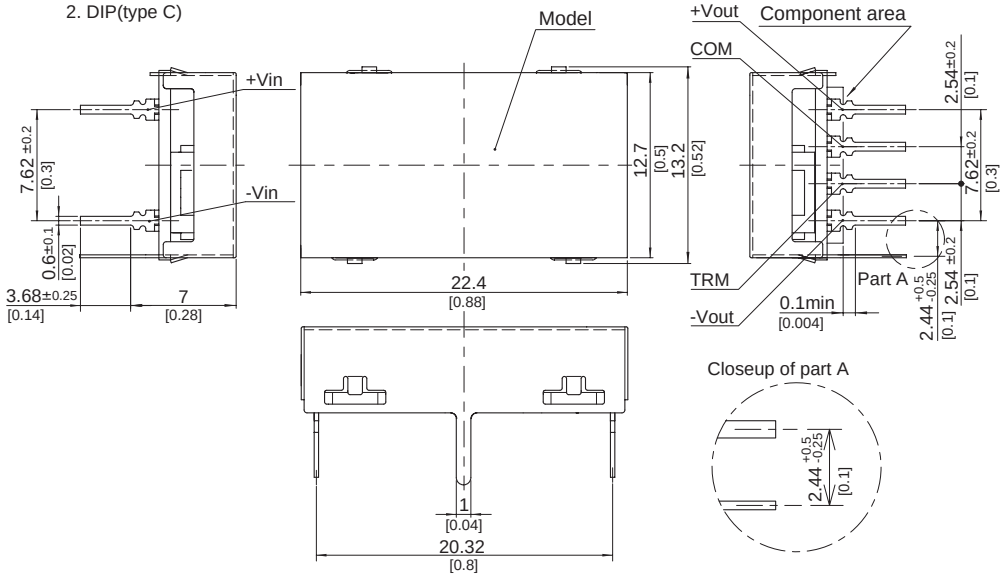
## SPECIFICATIONS

| | MODEL | | SUCW1R50512 | SUCW1R50515 | SUCW1R51212 | SUCW1R51215 | SUCW1R52412 | SUCW1R52415 | SUCW1R54812 | SUCW1R54815 |
|---|---|---|---|---|---|---|---|---|---|---|
| INPUT | VOLTAGE[V] | | DC4.5 - 9 | | DC9 - 18 | | DC18 - 36 | | DC36 - 76 | |
| | CURRENT[A] | *2 | 0.446typ | 0.429typ | 0.178typ | 0.171typ | 0.089typ | 0.086typ | 0.045typ | 0.043typ |
| | EFFICIENCY[%] | *2 | 70typ | 70typ | 73typ | 73typ | 73typ | 73typ | 73typ | 73typ |
| 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℃ *3 | 120max | 120max | 120max | 120max | 120max | 120max | 120max | 120max |
| | | -40 to -20℃ *3 | 150max | 150max | 150max | 150max | 150max | 150max | 150max | 150max |
| | RIPPLE NOISE[mVp-p] | -20 to +55℃ *3 | 150max | 150max | 150max | 150max | 150max | 150max | 150max | 150max |
| | | -40 to -20℃ *3 | 200max | 200max | 200max | 200max | 200max | 200max | 200max | 200max |
| | TEMPERATURE REGULATION[mV] | -20 to +55℃ | 150max | 180max | 150max | 180max | 150max | 180max | 150max | 180max |
| | | -40 to +55℃ | 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 | | 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 |
| PROTECTION CIRCUIT AND OTHERS | OVERCURRENT PROTECTION | | Works over 105% of rating and recovers automatically | | | | | | | |
| ISOLATION | INPUT-OUTPUT | | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃) | | | | | | | |
| | INPUT-CASE | | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃) | | | | | | | |
| | OUTPUT-CASE | | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃) | | | | | | | |
| ENVIRONMENT | OPERATING TEMP.,HUMID.AND ALTITUDE | | -40 to +85℃, 20 - 95%RH (Non condensing) (Required Derating), 3,000m (10,000feet) max | | | | | | | |
| | STORAGE TEMP.,HUMID.AND ALTITUDE | | -40 to +100℃, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max | | | | | | | |
| | VIBRATION | | 10 - 55Hz, 98.0m/s² (10G), 3minutes period, 60minutes each along X, Y and Z axis | | | | | | | |
| | IMPACT | | 490.3m/s² (50G), 11ms, once each along X, Y and Z axis | | | | | | | |
| SAFETY | AGENCY APPROVALS | | UL60950-1, C-UL, EN60950-1 | | | | | | | |
| OTHERS | CASE SIZE/WEIGHT | | 22.4×7.0×13.2mm [0.88×0.28×0.52 inches] (W×H×D) / 3g 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℃.
* Parallel operation with other model is not possible.

## External view



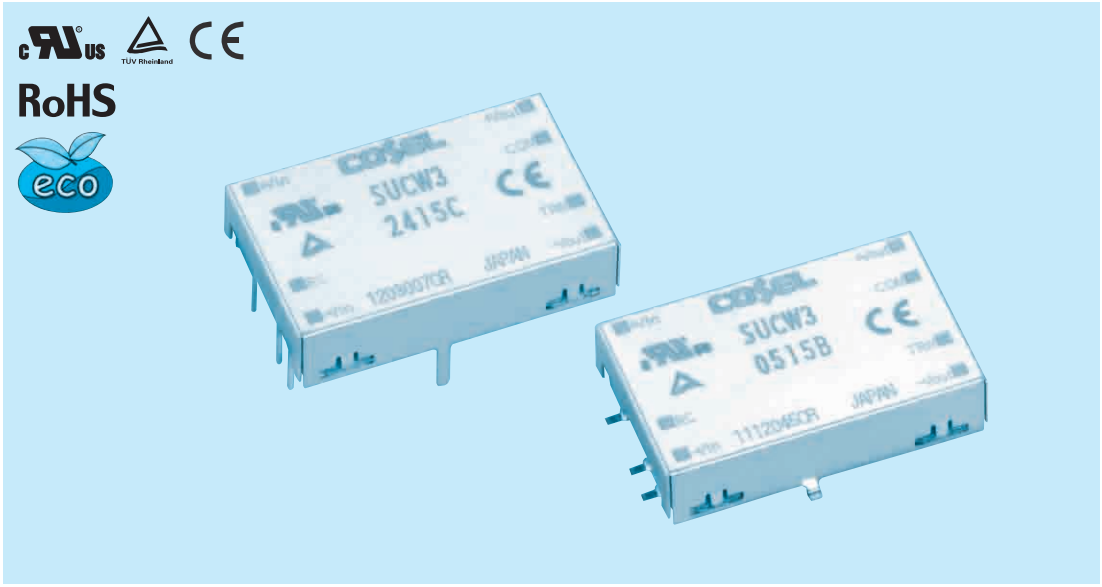

※ Tolerance ±0.5 [±0.02]
※ Dimensions in mm, [ ]=inches
※ Pin terminal thickness : 0.3±0.1 [0.012]
※ Pin terminal material : Copper alloy
※ Plating treatment of terminal : Lead free plating
※ Case thickness : 0.2±0.05 [0.008]
※ Case material : Brass
※ Plating treatment of case : Nickel plating
※ Please keep enough creepage distance with the pattern on PCB and other components.
※ Weight : 3g max

COSEL DC-DC Converters PCB Mount Type

# SUCW3

**Ordering information**

| SUC | W | 3 | 12 | 12 | B | P | -□ |
|---|---|---|---|---|---|---|---|
| ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ |




①Series name
②Dual output
③Output wattage
④Input voltage
⑤Output voltage
⑥Mounting type
B :SMD
C :DIP
⑦Packing form
Blank:Plastic cover
P :Tray (SMD type)
⑧Optional
G :Capacitor between Input and Output is removed.
C :with coating (only DIP type)*

* Safety standards are pending



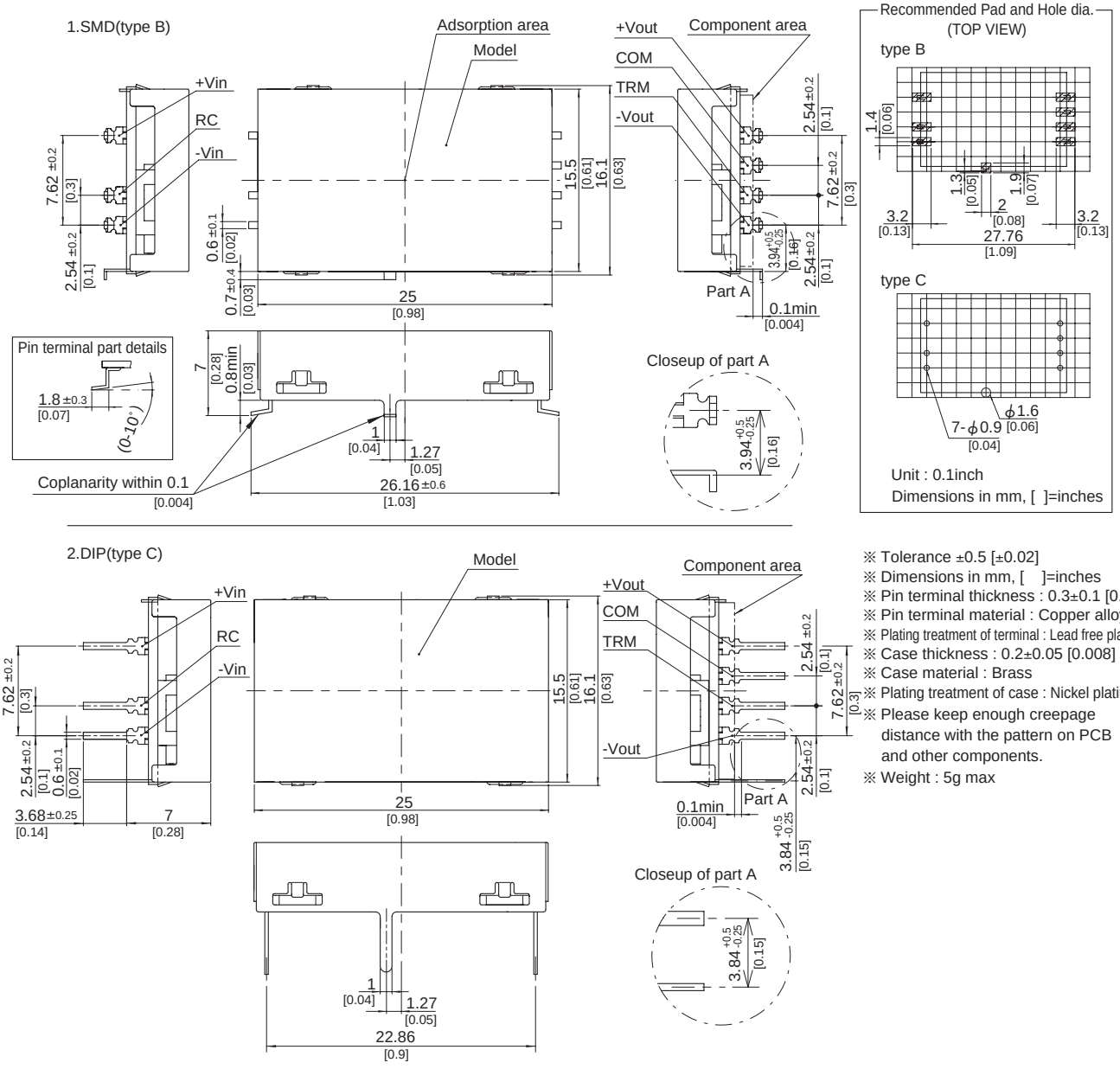
| MODEL | | SUCW30512 | SUCW30515 | SUCW31212 | SUCW31215 | SUCW32412 | SUCW32415 | SUCW34812 | SUCW34815 |
|---|---|---|---|---|---|---|---|---|---|
| MAX OUTPUT WATTAGE[W] | | 3.12 | 3 | 3.12 | 3 | 3.12 | 3 | 3.12 | 3 |
| DC OUTPUT | VOLTAGE[V] *1 | ±12 or +24 | ±15 or +30 | ±12 or +24 | ±15 or +30 | ±12 or +24 | ±15 or +30 | ±12 or +24 | ±15 or +30 |
| | CURRENT[A] | 0.13 | 0.1 | 0.13 | 0.1 | 0.13 | 0.1 | 0.13 | 0.1 |

## SPECIFICATIONS

| | MODEL | | SUCW30512 | SUCW30515 | SUCW31212 | SUCW31215 | SUCW32412 | SUCW32415 | SUCW34812 | SUCW34815 |
|---|---|---|---|---|---|---|---|---|---|---|
| INPUT | VOLTAGE[V] | | DC4.5 - 9 | | DC9 - 18 | | DC18 - 36 | | DC36 - 76 | |
| | CURRENT[A] | *2 | 0.844typ | 0.811typ | 0.343typ | 0.329typ | 0.172typ | 0.165typ | 0.086typ | 0.083typ |
| | EFFICIENCY[%] | *2 | 74typ | 74typ | 76typ | 76typ | 76typ | 76typ | 76typ | 76typ |
| OUTPUT | VOLTAGE[V] | | ±12(+24) | ±15(+30) | ±12(+24) | ±15(+30) | ±12(+24) | ±15(+30) | ±12(+24) | ±15(+30) |
| | CURRENT[A] | | 0.13 | 0.1 | 0.13 | 0.1 | 0.13 | 0.1 | 0.13 | 0.1 |
| | 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℃ *3 | 120max | 120max | 120max | 120max | 120max | 120max | 120max | 120max |
| | | -40 to -20℃ *3 | 150max | 150max | 150max | 150max | 150max | 150max | 150max | 150max |
| | RIPPLE NOISE[mVp-p] | -20 to +55℃ *3 | 150max | 150max | 150max | 150max | 150max | 150max | 150max | 150max |
| | | -40 to -20℃ *3 | 200max | 200max | 200max | 200max | 200max | 200max | 200max | 200max |
| | TEMPERATURE REGULATION[mV] | -20 to +55℃ | 150max | 180max | 150max | 180max | 150max | 180max | 150max | 180max |
| | | -40 to +55℃ | 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 | | 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 |
| PROTECTION CIRCUIT AND OTHERS | OVERCURRENT PROTECTION | | Works over 105% of rating and recovers automatically | | | | | | | |
| | REMOTE ON/OFF | | Provided (Negative logic L : ON, H : OFF) | | | | | | | |
| ISOLATION | INPUT-OUTPUT | | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃) | | | | | | | |
| | INPUT-CASE | | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃) | | | | | | | |
| | OUTPUT-CASE | | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃) | | | | | | | |
| ENVIRONMENT | OPERATING TEMP.,HUMID.AND ALTITUDE | | -40 to +85℃, 20 - 95%RH (Non condensing) (Required Derating), 3,000m (10,000feet) max | | | | | | | |
| | STORAGE TEMP.,HUMID.AND ALTITUDE | | -40 to +100℃, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max | | | | | | | |
| | VIBRATION | | 10 - 55Hz, 98.0m/s² (10G), 3minutes period, 60minutes each along X, Y and Z axis | | | | | | | |
| | IMPACT | | 490.3m/s² (50G), 11ms, once each along X, Y and Z axis | | | | | | | |
| SAFETY | AGENCY APPROVALS | | UL60950-1, C-UL, EN60950-1 | | | | | | | |
| OTHERS | CASE SIZE/WEIGHT | | 25×7.0×16.1mm [0.98×0.28×0.63 inches] (W×H×D) / 5g 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℃.
* Parallel operation with other model is not possible.

## External view



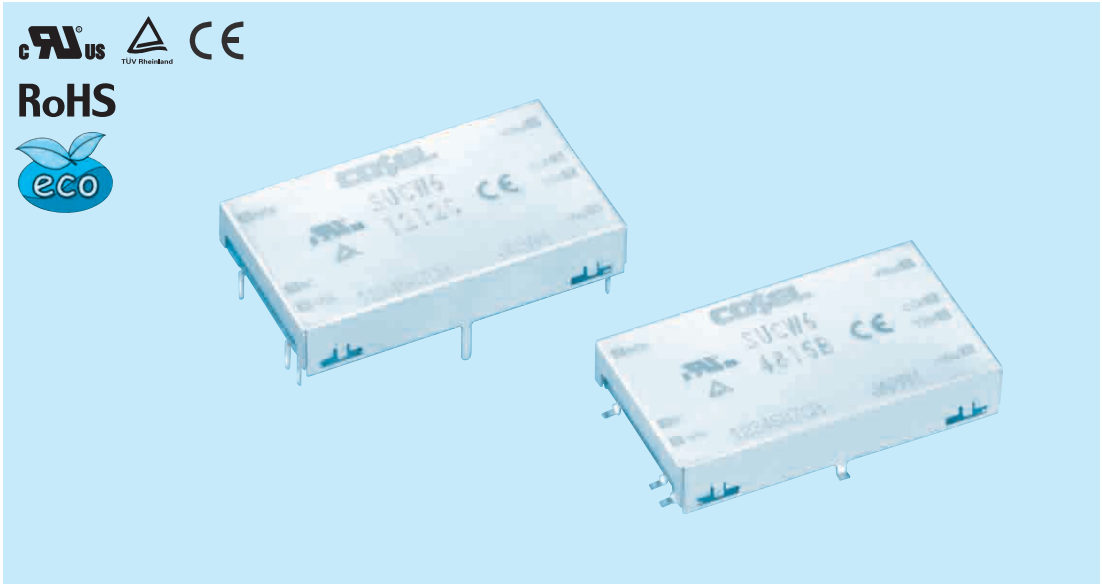

※ Tolerance ±0.5 [±0.02]
※ Dimensions in mm, [ ]=inches
※ Pin terminal thickness : 0.3±0.1 [0.012]
※ Pin terminal material : Copper alloy
※ Plating treatment of terminal : Lead free plating
※ Case thickness : 0.2±0.05 [0.008]
※ Case material : Brass
※ Plating treatment of case : Nickel plating
※ Please keep enough creepage distance with the pattern on PCB and other components.
※ Weight : 5g max

COSEL DC-DC Converters PCB Mount Type

# SUCW6

**Ordering information**

| SUC | W | 6 | 12 | 12 | B | P | -□ |
|---|---|---|---|---|---|---|---|
| ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ |



①Series name
②Dual output
③Output wattage
④Input voltage
⑤Output voltage
⑥Mounting type
B :SMD
C :DIP
⑦Packing form
Blank:Plastic cover
P :Tray (SMD type)
⑧Optional
G :Capacitor between Input and Output is removed.
C :with coating (only DIP type)*

* Safety standards are pending



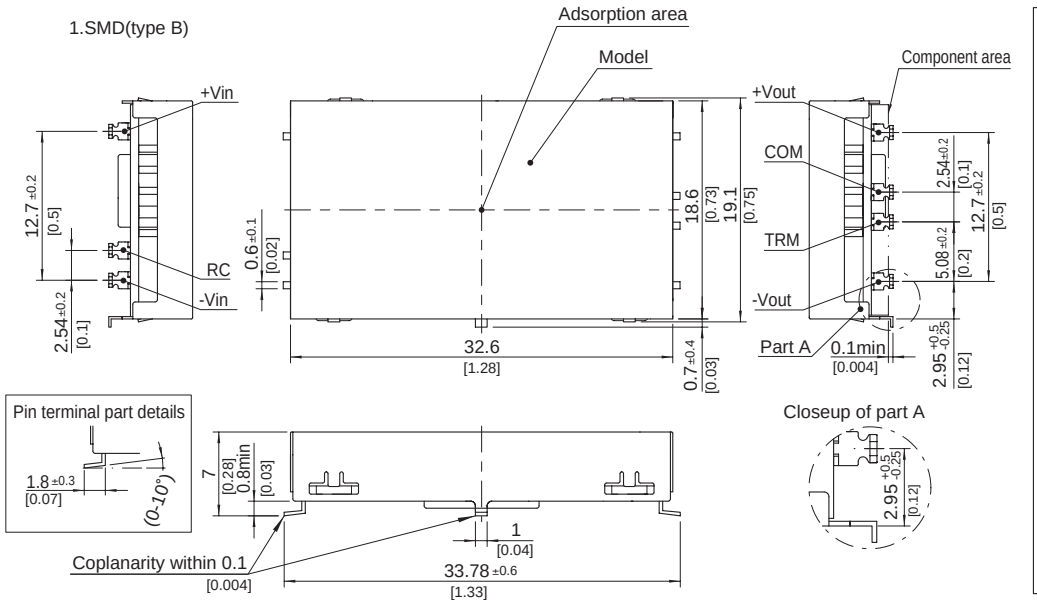
| MODEL | | SUCW60512 | SUCW60515 | SUCW61212 | SUCW61215 | SUCW62412 | SUCW62415 | SUCW64812 | SUCW64815 |
|---|---|---|---|---|---|---|---|---|---|
| MAX OUTPUT WATTAGE[W] | | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| DC OUTPUT | VOLTAGE[V] *1 | ±12 or +24 | ±15 or +30 | ±12 or +24 | ±15 or +30 | ±12 or +24 | ±15 or +30 | ±12 or +24 | ±15 or +30 |
| | CURRENT[A] | 0.25 | 0.2 | 0.25 | 0.2 | 0.25 | 0.2 | 0.25 | 0.2 |

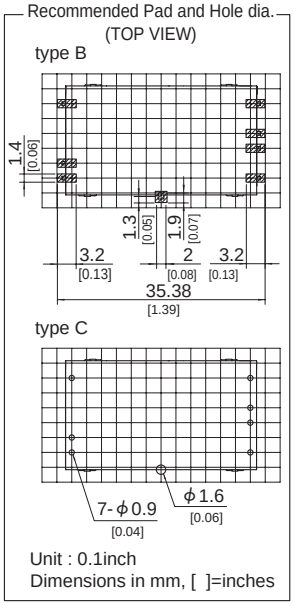
## SPECIFICATIONS

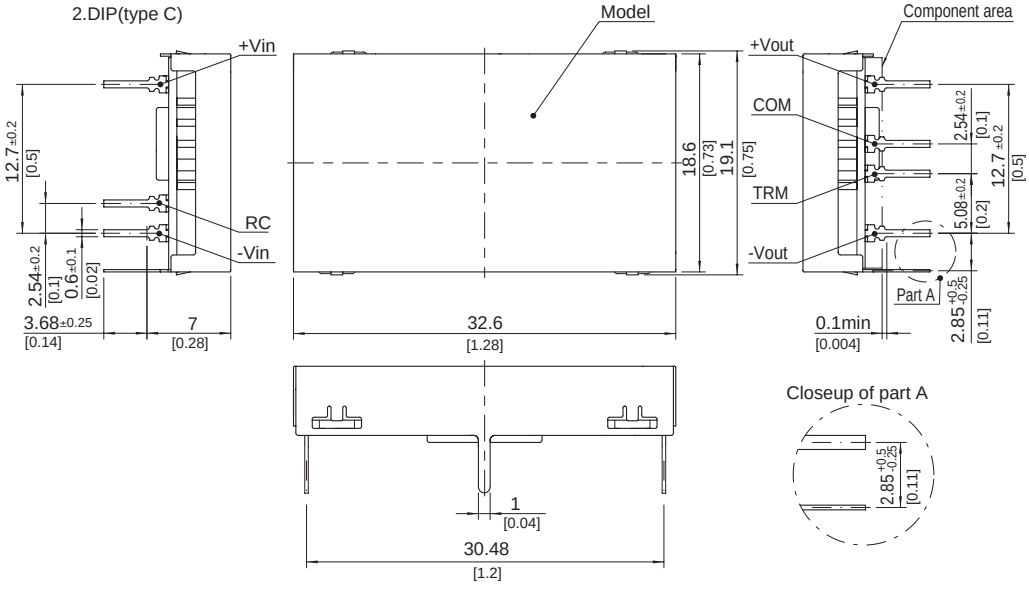
| | MODEL | | SUCW60512 | SUCW60515 | SUCW61212 | SUCW61215 | SUCW62412 | SUCW62415 | SUCW64812 | SUCW64815 |
|---|---|---|---|---|---|---|---|---|---|---|
| INPUT | VOLTAGE[V] | | DC4.5 - 9 | | DC9 - 18 | | DC18 - 36 | | DC36 - 76 | |
| | CURRENT[A] | *2 | 1.538typ | 1.538typ | 0.588typ | 0.588typ | 0.291typ | 0.291typ | 0.145typ | 0.145typ |
| | EFFICIENCY[%] | *2 | 78typ | 78typ | 85typ | 85typ | 86typ | 86typ | 86typ | 86typ |
| OUTPUT | VOLTAGE[V] | | ±12(+24) | ±15(+30) | ±12(+24) | ±15(+30) | ±12(+24) | ±15(+30) | ±12(+24) | ±15(+30) |
| | CURRENT[A] | | 0.25 | 0.2 | 0.25 | 0.2 | 0.25 | 0.2 | 0.25 | 0.2 |
| | 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℃ *3 | 120max | 120max | 120max | 120max | 120max | 120max | 120max | 120max |
| | | -40 to -20℃ *3 | 150max | 150max | 150max | 150max | 150max | 150max | 150max | 150max |
| | RIPPLE NOISE[mVp-p] | -20 to +55℃ *3 | 150max | 150max | 150max | 150max | 150max | 150max | 150max | 150max |
| | | -40 to -20℃ *3 | 200max | 200max | 200max | 200max | 200max | 200max | 200max | 200max |
| | TEMPERATURE REGULATION[mV] | -20 to +55℃ | 150max | 180max | 150max | 180max | 150max | 180max | 150max | 180max |
| | | -40 to +55℃ | 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 | | 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 |
| PROTECTION CIRCUIT AND OTHERS | OVERCURRENT PROTECTION | | Works over 105% of rating and recovers automatically | | | | | | | |
| | REMOTE ON/OFF | | Provided (Negative logic L : ON, H : OFF) | | | | | | | |
| ISOLATION | INPUT-OUTPUT | | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃) | | | | | | | |
| | INPUT-CASE | | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃) | | | | | | | |
| | OUTPUT-CASE | | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃) | | | | | | | |
| ENVIRONMENT | OPERATING TEMP.,HUMID.AND ALTITUDE | | -40 to +85℃, 20 - 95%RH (Non condensing) (Required Derating), 3,000m (10,000feet) max | | | | | | | |
| | STORAGE TEMP.,HUMID.AND ALTITUDE | | -40 to +100℃, 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 | | 32.6×7.0×19.1mm [1.28×0.28×0.75 inches] (W×H×D) / 7g 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℃.
* Parallel operation with other model is not possible.

## External view



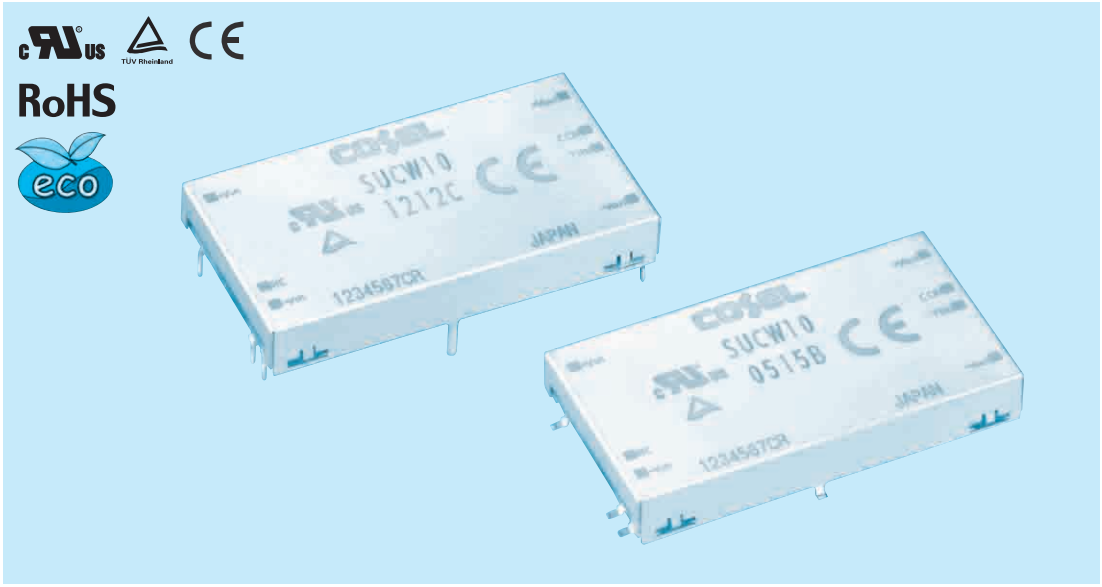

※ Tolerance ±0.5 [±0.02]
※ Dimensions in mm, [ ]=inches
※ Pin terminal thickness : 0.3±0.1 [0.012]
※ Pin terminal material : Copper alloy
※ Plating treatment of terminal : Lead free plating
※ Case thickness : 0.2±0.05 [0.008]
※ Case material : Brass
※ Plating treatment of case : Nickel plating
※ Please keep enough creepage distance with the pattern on PCB and other components.
※ Weight : 7g max

COSEL DC-DC Converters PCB Mount Type

# SUCW10

**Ordering information**

SUC ① W ② 10 ③ 12 ④ 12 ⑤ B ⑥ P ⑦ -□ ⑧




①Series name
②Dual output
③Output wattage
④Input voltage
⑤Output voltage
⑥Mounting type
B :SMD
C :DIP
⑦Packing form
Blank:Plastic cover
P :Tray(SMD type)
⑧Optional
G :Capacitor between Input and Output is removed.
C :with coating (only DIP type)*

* Safety standards are pending

SU·SUC/SUT

| MODEL | | SUCW100512 | SUCW100515 | SUCW101212 | SUCW101215 | SUCW102412 | SUCW102415 | SUCW104812 | SUCW104815 |
|---|---|---|---|---|---|---|---|---|---|
| MAX OUTPUT WATTAGE[W] | | 10.8 | 10.5 | 10.8 | 10.5 | 10.8 | 10.5 | 10.8 | 10.5 |
| 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] | 0.45 | 0.35 | 0.45 | 0.35 | 0.45 | 0.35 | 0.45 | 0.35 |

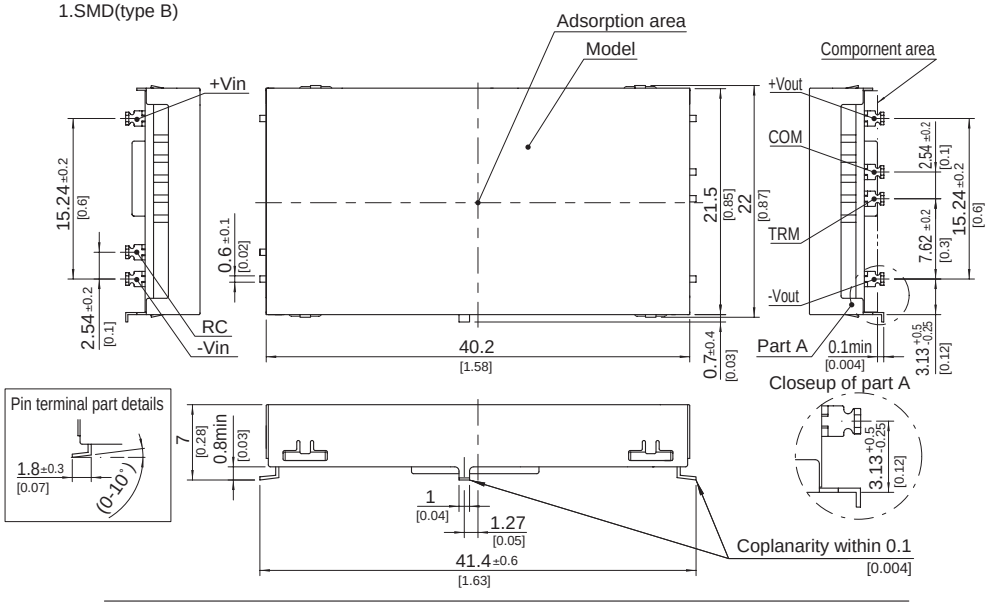
## SPECIFICATIONS

| | MODEL | | SUCW100512 | SUCW100515 | SUCW101212 | SUCW101215 | SUCW102412 | SUCW102415 | SUCW104812 | SUCW104815 |
|---|---|---|---|---|---|---|---|---|---|---|
| INPUT | VOLTAGE[V] | | DC4.5 - 9 | | DC9 - 18 | | DC18 - 36 | | DC36 - 76 | |
| | CURRENT[A] | *2 | 2.51typ | 2.44typ | 1.05typ | 1.02typ | 0.523typ | 0.509typ | 0.262typ | 0.254typ |
| | EFFICIENCY[%] | *2 | 86typ | 86typ | 86typ | 86typ | 86typ | 86typ | 86typ | 86typ |
| OUTPUT | VOLTAGE[V] | | ±12(+24) | ±15(+30) | ±12(+24) | ±15(+30) | ±12(+24) | ±15(+30) | ±12(+24) | ±15(+30) |
| | CURRENT[A] | | 0.45 | 0.35 | 0.45 | 0.35 | 0.45 | 0.35 | 0.45 | 0.35 |
| | 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℃ *3 | 120max | 120max | 120max | 120max | 120max | 120max | 120max | 120max |
| | | -40 to -20℃ *3 | 150max | 150max | 150max | 150max | 150max | 150max | 150max | 150max |
| | RIPPLE NOISE[mVp-p] | -20 to +55℃ *3 | 150max | 150max | 150max | 150max | 150max | 150max | 150max | 150max |
| | | -40 to -20℃ *3 | 200max | 200max | 200max | 200max | 200max | 200max | 200max | 200max |
| | TEMPERATURE REGULATION[mV] | -20 to +55℃ | 150max | 180max | 150max | 180max | 150max | 180max | 150max | 180max |
| | | -40 to +55℃ | 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 | | 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 |
| PROTECTION CIRCUIT AND OTHERS | OVERCURRENT PROTECTION | | Works over 105% of rating and recovers automatically | | | | | | | |
| | REMOTE ON/OFF | | Provided (Negative logic L : ON, H : OFF) | | | | | | | |
| ISOLATION | INPUT-OUTPUT | | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃) | | | | | | | |
| | INPUT-CASE | | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃) | | | | | | | |
| | OUTPUT-CASE | | AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃) | | | | | | | |
| ENVIRONMENT | OPERATING TEMP.,HUMID.AND ALTITUDE | | -40 to +85℃, 20 - 95%RH (Non condensing) (Required Derating), 3,000m (10,000feet) max | | | | | | | |
| | STORAGE TEMP.,HUMID.AND ALTITUDE | | -40 to +100℃, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max | | | | | | | |
| | VIBRATION | | 10 - 55Hz, 98.0m/s² (10G), 3minutes period, 60minutes each along X, Y and Z axis | | | | | | | |
| | IMPACT | | 490.3m/s² (50G), 11ms, once each along X, Y and Z axis | | | | | | | |
| SAFETY | AGENCY APPROVALS | | UL60950-1, C-UL, EN60950-1 | | | | | | | |
| OTHERS | CASE SIZE/WEIGHT | | 40.2×7.0×22.0mm [1.58×0.28×0.87 inches] (W×H×D) / 10g 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℃.
* Parallel operation with other model is not possible.

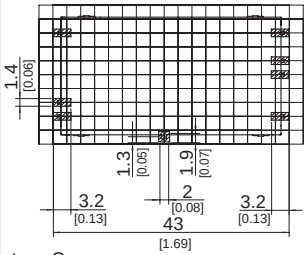
## External view

1.SMD(type B)

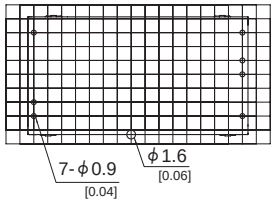



Recommended Pad and Hole dia.
(TOP VIEW)

type B

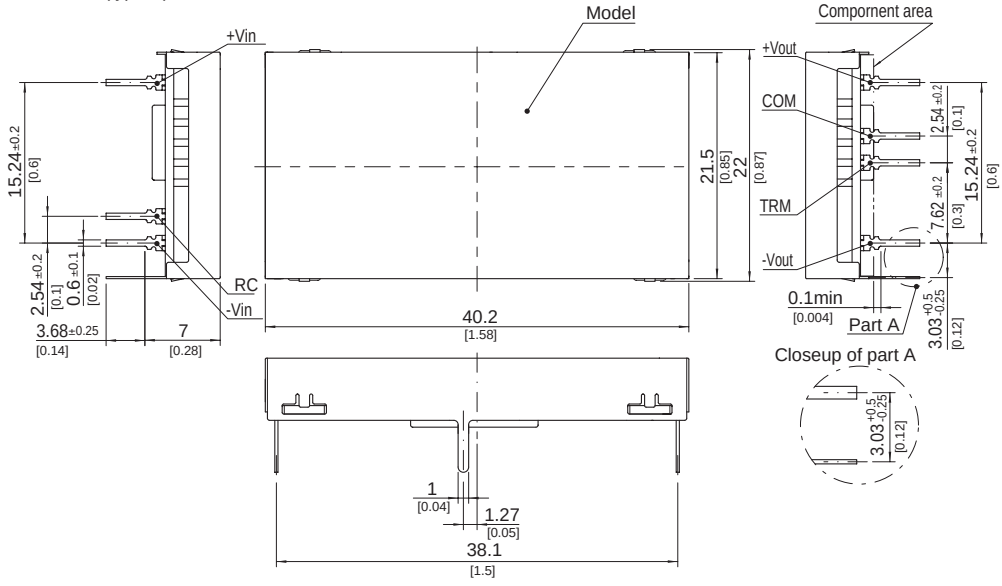



type C




Unit : 0.1inch
Dimensions in mm, [ ]=inches

2.DIP(type C)




※ Tolerance ±0.5 [±0.02]
※ Dimensions in mm, [ ]=inches
※ Pin terminal thickness : 0.3±0.1 [0.012]
※ Pin terminal material : Copper alloy
※ Plating treatment of terminal : Lead free plating
※ Case thickness : 0.2±0.05 [0.008]
※ Case material : Brass
※ Plating treatment of case : Nickel plating
※ Please keep enough creepage distance with the pattern on PCB and other components.
※ Weight : 10g max

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Cosel:

SUCW102415BP SUCW32415B-G SUCW1R50515C-C SUCW1R52412BP SUCW30515C-G SUCW61215C SUCW62415BP-G SUCW60515BP SUCW104815BP SUCW1R52415B SUCW62412B SUCW1R54812C-C SUCW62415B SUCW60515C-G SUCW64815BP SUCW62415C-G SUCW60512C SUCW102412BP SUCW1R54815C SUCW100512BP-G SUCW61212C SUCW1R50512B SUCW1R50512C-C SUCW104812BP SUCW101212BP-G SUCW102415C-C SUCW34815C-C SUCW32415C SUCW1R51215BP SUCW32415B SUCW1R51212C SUCW34812B SUCW102415B-G SUCW64812C SUCW32412C SUCW104815B SUCW31215C SUCW101215B SUCW61215BP SUCW1R52412B SUCW1R52415C-C SUCW30512B SUCW100515B SUCW31212C-C SUCW1R50515C SUCW32412B SUCW62415BP SUCW32415BP-G SUCW102415C SUCW100515C SUCW30515C-C SUCW64815C-C SUCW1R52412C-C SUCW31212C SUCW62412BP SUCW104812B SUCW64812BP SUCW30512C-C SUCW62415C-C SUCW61215C-C SUCW34812C SUCW64812C-G SUCW1R51215C-C SUCW32415C-G SUCW1R51212B SUCW60512C-G SUCW61215B SUCW30515C SUCW104812C-C SUCW31212B SUCW101212B SUCW102415C-G SUCW1R52415BP SUCW1R54815B SUCW102412BP-G SUCW1R50512BP SUCW62415B-G SUCW101215C SUCW62412B-G SUCW102415BP-G SUCW61215C-G SUCW1R51215C SUCW30515BP SUCW60512B SUCW64812C-C SUCW101215BP SUCW32412C-C SUCW31215B SUCW62412C SUCW101212C SUCW1R54812BP SUCW101212C-C SUCW61212BP SUCW1R50515BP SUCW100512B SUCW102412B SUCW102412C-G SUCW100515BP SUCW64812B SUCW1R50515B

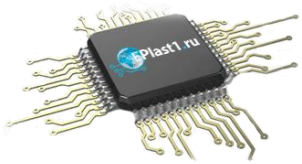
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.




**Как с нами связаться**

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