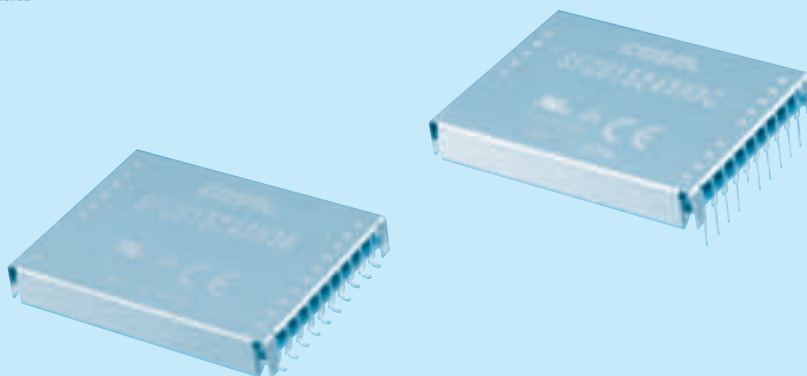
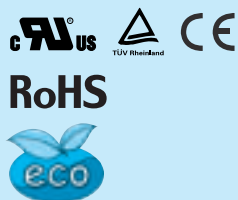




- ① Series name  
 ② Single output  
 ③ Output wattage  
 ④ Input voltage  
 24:DC18 - 36V  
 48:DC36 - 76V  
 ⑤ Output voltage  
 ⑥ Mounting type  
 B :SMD  
 C :DIP

| MODEL                 | SFCS15243R3 | SFCS152405 | SFCS152412 | SFCS152415 | SFCS15483R3 | SFCS154805 | SFCS154812 | SFCS154815 |
|-----------------------|-------------|------------|------------|------------|-------------|------------|------------|------------|
| MAX OUTPUT WATTAGE[W] | 14.85       | 15.0       | 15.0       | 15.0       | 14.85       | 15.0       | 15.0       | 15.0       |
| DC OUTPUT             | 3.3V 4.5A   | 5V 3A      | 12V 1.25A  | 15V 1A     | 3.3V 4.5A   | 5V 3A      | 12V 1.25A  | 15V 1A     |

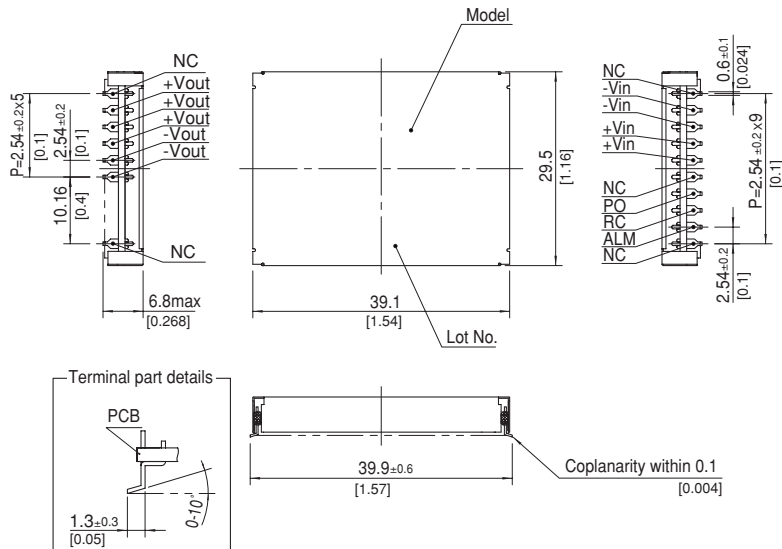
## SPECIFICATIONS

|                                     | MODEL                              | SFCS15243R3                                                                                              | SFCS152405 | SFCS152412 | SFCS152415 | SFCS15483R3                     | SFCS154805 | SFCS154812 | SFCS154815 |
|-------------------------------------|------------------------------------|----------------------------------------------------------------------------------------------------------|------------|------------|------------|---------------------------------|------------|------------|------------|
| INPUT                               | VOLTAGE[V]                         | DC18 - 36                                                                                                |            |            |            | DC36 - 76                       |            |            |            |
|                                     | CURRENT[A]                         | 0.7typ                                                                                                   | 0.69typ    | 0.7typ     | 0.7typ     | 0.35typ                         | 0.35typ    | 0.35typ    | 0.35typ    |
|                                     | EFFICIENCY[%]                      | 89typ                                                                                                    | 90typ      | 89typ      | 89typ      | 89typ                           | 90typ      | 89typ      | 89typ      |
|                                     | START-UP VOLTAGE[V]                | DC16 - 18                                                                                                |            |            |            | DC32 - 36                       |            |            |            |
|                                     | HYSTERESIS VOLTAGE[V]              | DC1 min                                                                                                  |            |            |            | DC2 min                         |            |            |            |
| OUTPUT                              | VOLTAGE[V]                         | 3.3                                                                                                      | 5          | 12         | 15         | 3.3                             | 5          | 12         | 15         |
|                                     | CURRENT[A]                         | 4.5                                                                                                      | 3          | 1.25       | 1          | 4.5                             | 3          | 1.25       | 1          |
|                                     | VOLTAGE ACCURACY[%]                | +5, -3                                                                                                   |            |            |            |                                 |            |            |            |
|                                     | RIPPLE[mVp-p]                      | 25max                                                                                                    |            | 120max     |            | 25max                           |            | 120max     |            |
|                                     | RIPPLE NOISE[mVp-p]                | 50max                                                                                                    |            | 150max     |            | 50max                           |            | 150max     |            |
|                                     | START-UP TIME[ms]                  | 20 - 200max (DCIN 24V, Io=100%)                                                                          |            |            |            | 20 - 200max (DCIN 48V, Io=100%) |            |            |            |
| PROTECTION<br>CIRCUIT AND<br>OTHERS | OUTPUT VOLTAGE SETTING             | ±1% of rated output voltage                                                                              |            |            |            |                                 |            |            |            |
|                                     | OVERCURRENT PROTECTION             | Works over 103% of rating                                                                                |            |            |            |                                 |            |            |            |
|                                     | OVERVOLTAGE PROTECTION             | Works at 120 - 140% of rating                                                                            |            |            |            |                                 |            |            |            |
|                                     | LOWVOLTAGE PROTECTION              | Works at 90% max of rating                                                                               |            |            |            |                                 |            |            |            |
|                                     | REMOTE ON/OFF                      | Provided(RC open : ON, short between RC and +Vin : OFF)                                                  |            |            |            |                                 |            |            |            |
| ISOLATION                           | INPUT-OUTPUT                       | DC1,000V or AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (20±15℃)                             |            |            |            |                                 |            |            |            |
|                                     | INPUT-CASE                         | DC500V or AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃)                                |            |            |            |                                 |            |            |            |
|                                     | OUTPUT-CASE                        | DC500V or AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃)                                |            |            |            |                                 |            |            |            |
| ENVIRONMENT                         | OPERATING TEMP.,HUMID.AND ALTITUDE | -40 to +85℃, 20 - 95%RH (Non condensing), 3,000m (10,000feet) max                                        |            |            |            |                                 |            |            |            |
|                                     | STORAGE TEMP.,HUMID.AND ALTITUDE   | -40 to +100℃, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max (SMD:Refer to the Instruction Manual) |            |            |            |                                 |            |            |            |
|                                     | VIBRATION                          | 10 - 55Hz, 49.0m/s² (5G), 3minutes period, 60minutes each along X, Y and Z axis                          |            |            |            |                                 |            |            |            |
|                                     | IMPACT                             | 196.1m/s² (20G), 11ms, once each X, Y and Z axis                                                         |            |            |            |                                 |            |            |            |
| SAFETY                              | AGENCY APPROVALS                   | UL60950-1, C-UL (CSA60950-1), EN60950-1                                                                  |            |            |            |                                 |            |            |            |
| OTHERS                              | CASE SIZE/WEIGHT                   | 39.1×6.8×29.5mm [1.54×0.268×1.16 inches] (W×H×D) /16g max                                                |            |            |            |                                 |            |            |            |
|                                     | COOLING METHOD                     | Convection                                                                                               |            |            |            |                                 |            |            |            |

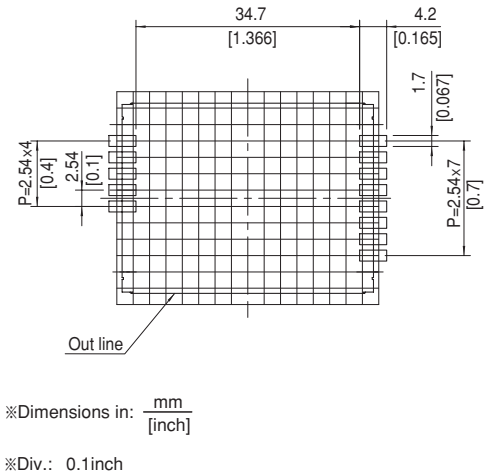
\*1 At rated input(DC24V, DC48V), rated load and 25℃

External view

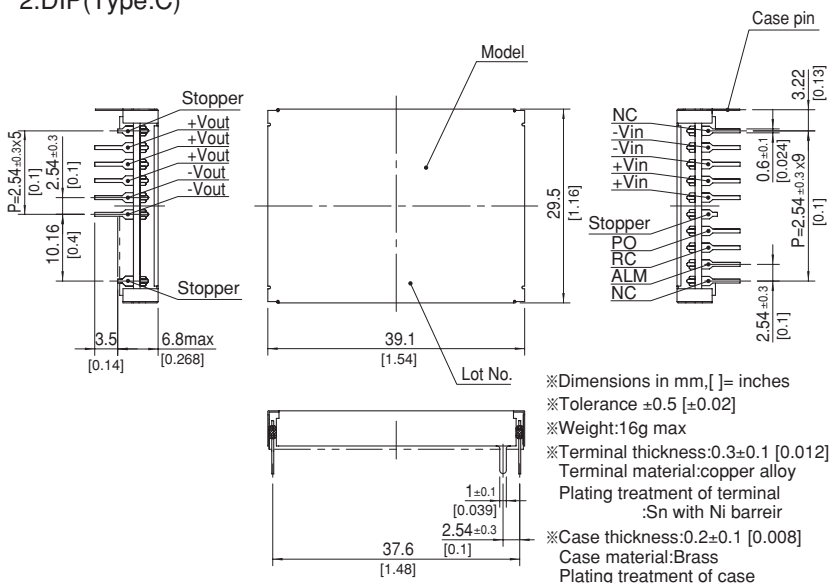
1.SMD(Type:B)



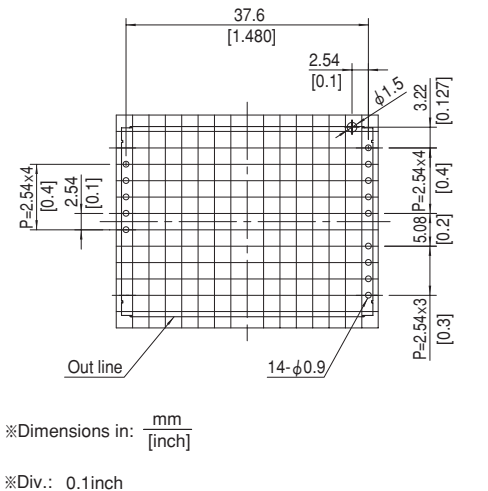
Recommended size for processing PCB (TOP VIEW)



2.DIP(Type:C)



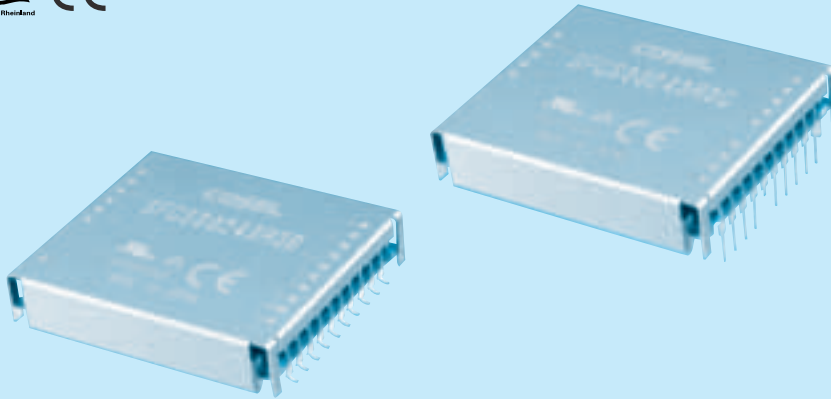
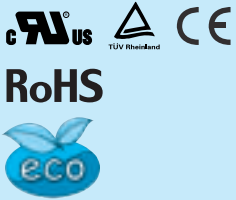
Recommended size for processing PCB (TOP VIEW)



## SFC S30 24 3R3 C

SFC S 30 24 3R3 C

① ② ③ ④ ⑤ ⑥



- ① Series name  
 ② Single output  
 ③ Output wattage  
 ④ Input voltage  
 24:DC18 - 36V  
 48:DC36 - 76V  
 ⑤ Output voltage  
 ⑥ Mounting type  
 B :SMD  
 C :DIP

| MODEL                 | SFCS30243R3 | SFCS302405 | SFCS302412 | SFCS302415 | SFCS30483R3 | SFCS304805 | SFCS304812 | SFCS304815 |
|-----------------------|-------------|------------|------------|------------|-------------|------------|------------|------------|
| MAX OUTPUT WATTAGE[W] | 29.7        | 30.0       | 30.0       | 30.0       | 29.7        | 30.0       | 30.0       | 30.0       |
| DC OUTPUT             | 3.3V 9A     | 5V 6A      | 12V 2.5A   | 15V 2A     | 3.3V 9A     | 5V 6A      | 12V 2.5A   | 15V 2A     |

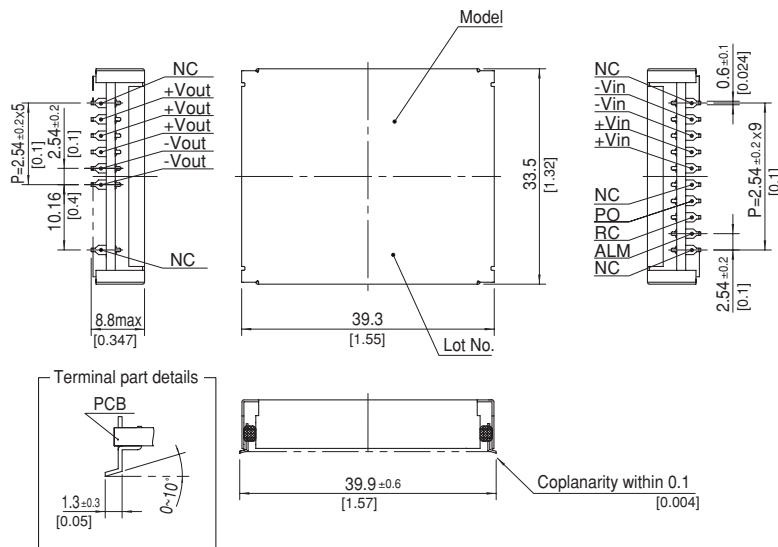
## SPECIFICATIONS

|                                     | MODEL                              | SFCS30243R3                                                                                              | SFCS302405 | SFCS302412 | SFCS302415 | SFCS30483R3                     | SFCS304805 | SFCS304812 | SFCS304815 |
|-------------------------------------|------------------------------------|----------------------------------------------------------------------------------------------------------|------------|------------|------------|---------------------------------|------------|------------|------------|
| INPUT                               | VOLTAGE[V]                         | DC18 - 36                                                                                                |            |            |            | DC36 - 76                       |            |            |            |
|                                     | CURRENT[A]                         | *1 1.36typ                                                                                               | 1.36typ    | 1.36typ    | 1.39typ    | 0.67typ                         | 0.68typ    | 0.68typ    | 0.68typ    |
|                                     | EFFICIENCY[%]                      | *1 91typ                                                                                                 | 92typ      | 92typ      | 90typ      | 92typ                           | 92.5typ    | 92typ      | 92typ      |
|                                     | START-UP VOLTAGE[V]                | DC16 - 18                                                                                                |            |            |            | DC32 - 36                       |            |            |            |
|                                     | HYSTERESIS VOLTAGE[V]              | DC1 min                                                                                                  |            |            |            | DC2 min                         |            |            |            |
| OUTPUT                              | VOLTAGE[V]                         | 3.3                                                                                                      | 5          | 12         | 15         | 3.3                             | 5          | 12         | 15         |
|                                     | CURRENT[A]                         | 9                                                                                                        | 6          | 2.5        | 2          | 9                               | 6          | 2.5        | 2          |
|                                     | VOLTAGE ACCURACY[%]                | +5, -3                                                                                                   |            |            |            |                                 |            |            |            |
|                                     | RIPPLE[mVp-p]                      | 25max                                                                                                    |            | 120max     |            | 25max                           |            | 120max     |            |
|                                     | RIPPLE NOISE[mVp-p]                | 50max                                                                                                    |            | 150max     |            | 50max                           |            | 150max     |            |
|                                     | START-UP TIME[ms]                  | 20 - 200max (DCIN 24V, Io=100%)                                                                          |            |            |            | 20 - 200max (DCIN 48V, Io=100%) |            |            |            |
| PROTECTION<br>CIRCUIT AND<br>OTHERS | OUTPUT VOLTAGE SETTING *1          | ± 1% of rated output voltage                                                                             |            |            |            |                                 |            |            |            |
|                                     | OVERCURRENT PROTECTION             | Works over 103% of rating                                                                                |            |            |            |                                 |            |            |            |
|                                     | OVERVOLTAGE PROTECTION             | Works at 120 - 140% of rating                                                                            |            |            |            |                                 |            |            |            |
|                                     | LOWVOLTAGE PROTECTION              | Works at 90% max of rating                                                                               |            |            |            |                                 |            |            |            |
| ISOLATION                           | REMOTE ON/OFF                      | Provided(RC open : ON, short between RC and +Vin : OFF)                                                  |            |            |            |                                 |            |            |            |
|                                     | INPUT-OUTPUT                       | DC1,000V or AC500V 1minute, Cutoff current = 100mA, DC500V 50MΩ min (20±15℃)                             |            |            |            |                                 |            |            |            |
|                                     | INPUT-CASE                         | DC500V or AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃)                                |            |            |            |                                 |            |            |            |
|                                     | OUTPUT-CASE                        | DC500V or AC500V 1minute, Cutoff current = 10mA, DC500V 50MΩ min (20±15℃)                                |            |            |            |                                 |            |            |            |
| ENVIRONMENT                         | OPERATING TEMP.,HUMID.AND ALTITUDE | -40 to +85℃, 20 - 95%RH (Non condensing), 3,000m (10,000feet) max                                        |            |            |            |                                 |            |            |            |
|                                     | STORAGE TEMP.,HUMID.AND ALTITUDE   | -40 to +100℃, 20 - 95%RH (Non condensing), 9,000m (30,000feet) max (SMD:Refer to the Instruction Manual) |            |            |            |                                 |            |            |            |
|                                     | VIBRATION                          | 10 - 55Hz, 49.0m/s² (5G), 3minutes period, 60minutes each along X, Y and Z axis                          |            |            |            |                                 |            |            |            |
|                                     | IMPACT                             | 196.1m/s² (20G), 11ms, once each X, Y and Z axis                                                         |            |            |            |                                 |            |            |            |
| SAFETY                              | AGENCY APPROVALS                   | UL60950-1, C-UL (CSA60950-1), EN60950-1                                                                  |            |            |            |                                 |            |            |            |
| OTHERS                              | CASE SIZE/WEIGHT                   | 39.3×8.8×33.5mm [1.55×0.347×1.32 inches] (W×H×D) /25g max                                                |            |            |            |                                 |            |            |            |
|                                     | COOLING METHOD                     | Convection / Forced air                                                                                  |            |            |            |                                 |            |            |            |

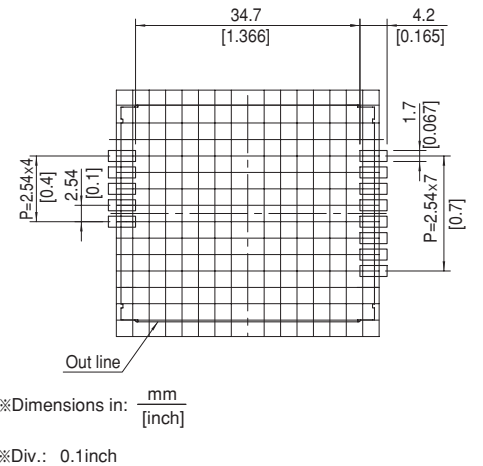
\*1 At rated input(DC24V, DC48V), rated load and 25℃

External view

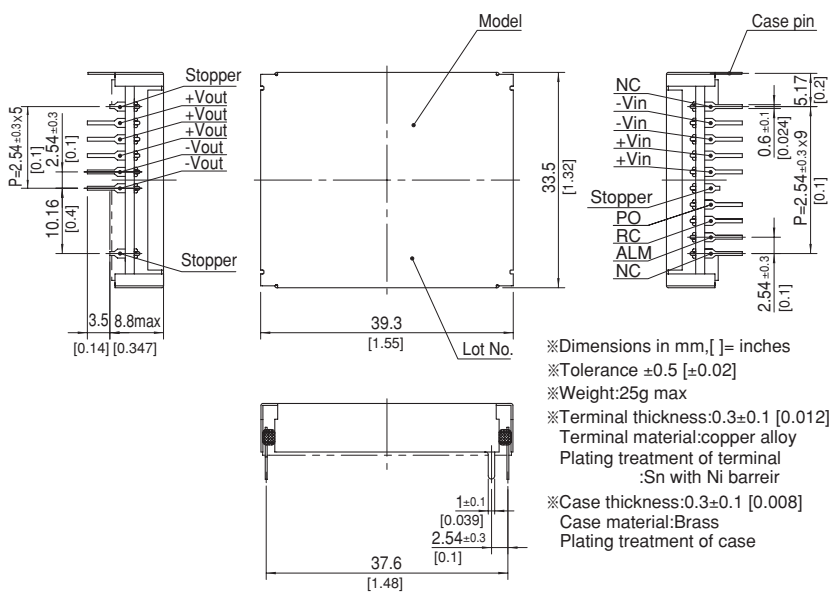
1.SMD(Type:B)



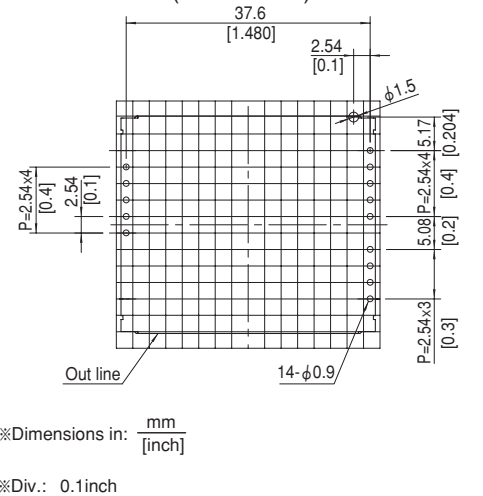
Recommended size for processing PCB (TOP VIEW)



2.DIP(Type:C)



Recommended size for processing PCB (TOP VIEW)



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[SFCS152405B](#) [SFCS154815C](#) [SFCS15243R3B](#) [SFCS302405B](#) [SFCS304812B](#) [SFCS304812C](#) [SFCS302412B](#)  
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- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
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- 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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