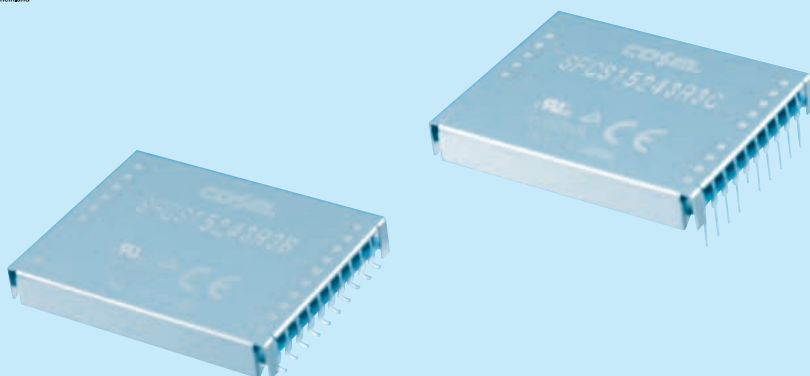




- ① Series name
 ② Single output
 ③ Output wattage
 ④ Input voltage
 24:DC18 - 36V
 48:DC36 - 76V
 ⑤ Output voltage
 ⑥ Mounting type
 B :SMD
 C :DIP

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

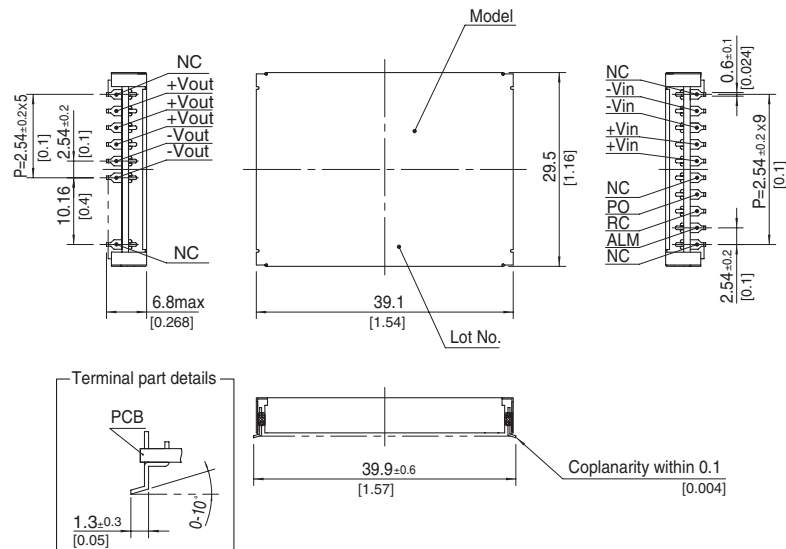
SPECIFICATIONS

	MODEL	SFCS15243R3	SFCS152405	SFCS152412	SFCS152415	SFCS15483R3	SFCS154805	SFCS154812	SFCS154815
INPUT	VOLTAGE[V]	DC18 - 36				DC36 - 76			
	CURRENT[A]	*1 0.7typ	0.69typ	0.7typ	0.7typ	0.35typ	0.35typ	0.35typ	0.35typ
	EFFICIENCY[%]	*1 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%)			
	OUTPUT VOLTAGE SETTING *1	±1% of rated output voltage							
PROTECTION CIRCUIT AND OTHERS	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							

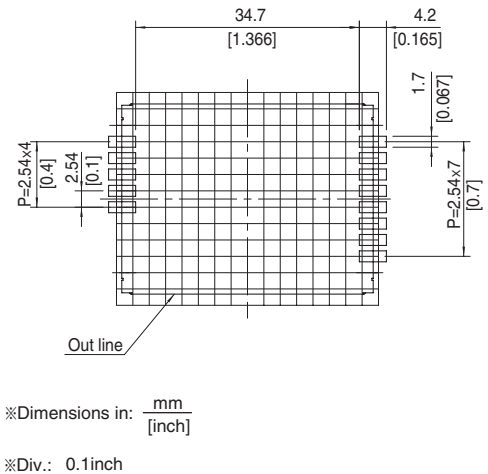
*1 At rated input(DC24V, DC48V), rated load and 25℃

External view

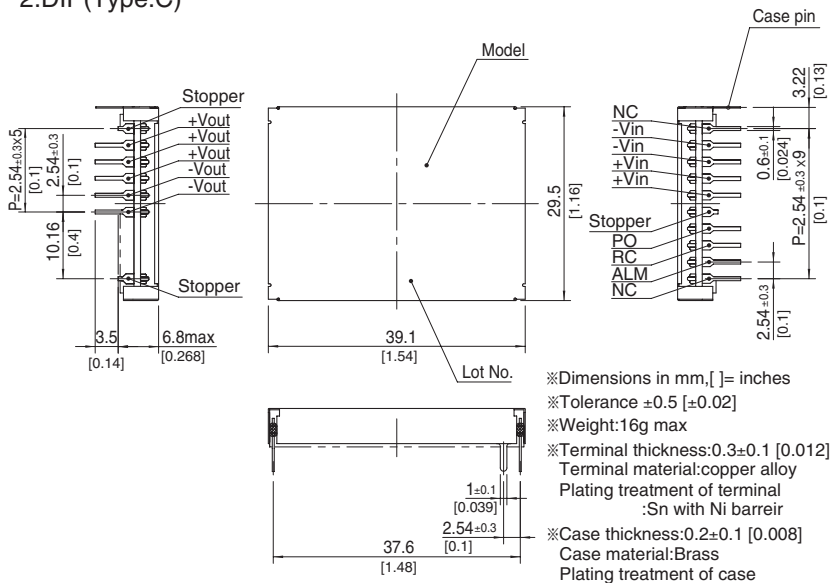
1.SMD(Type:B)



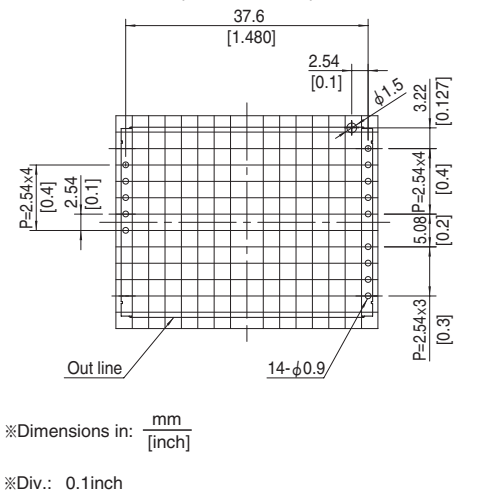
Recommended size for processing PCB -
(TOP VIEW)

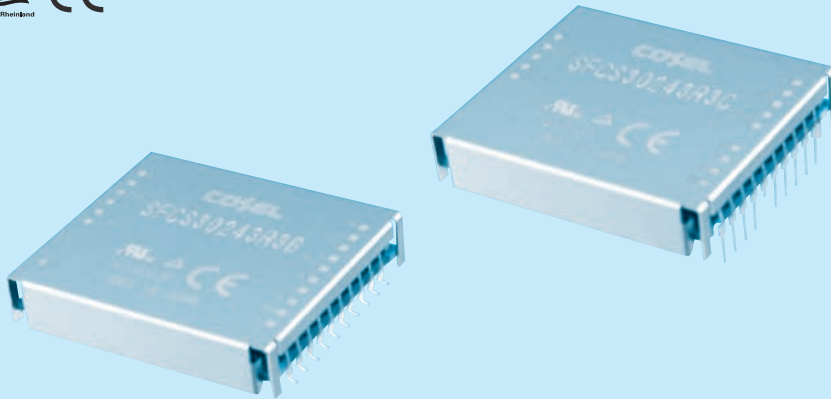
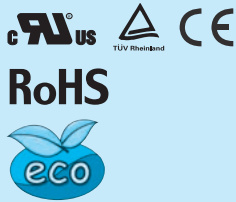


2.DIP(Type:C)



Recommended size for processing PCB -
(TOP VIEW)





- 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

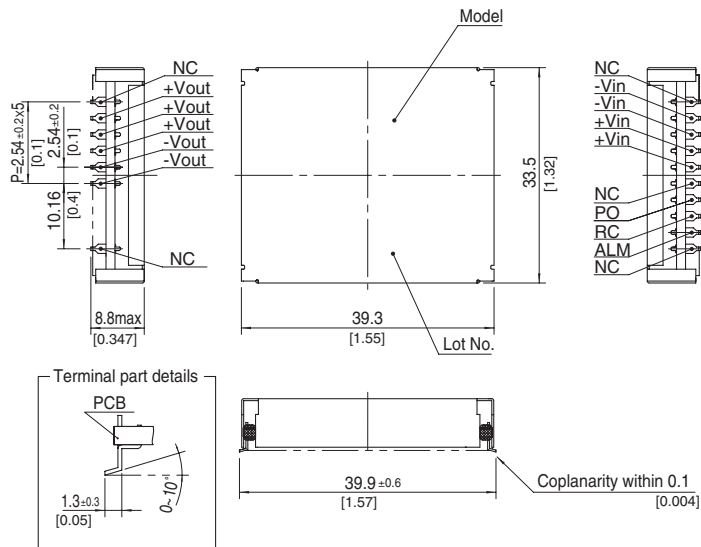
SPECIFICATIONS

	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%)			
	OUTPUT VOLTAGE SETTING *1	± 1% of rated output voltage							
PROTECTION CIRCUIT AND OTHERS	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	39.3×8.8×33.5mm [1.55×0.347×1.32 inches] (W×H×D) /25g max							
	COOLING METHOD	Convection / Forced air							

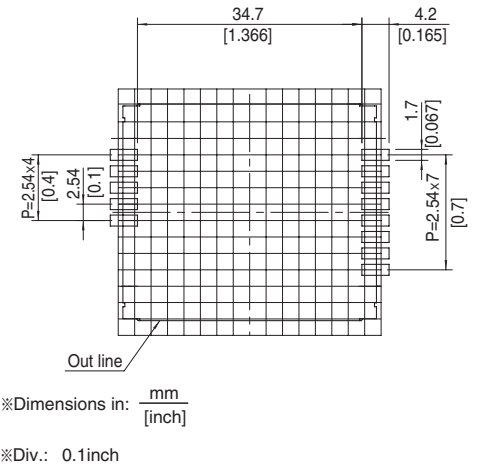
*1 At rated input(DC24V, DC48V), rated load and 25℃

External view

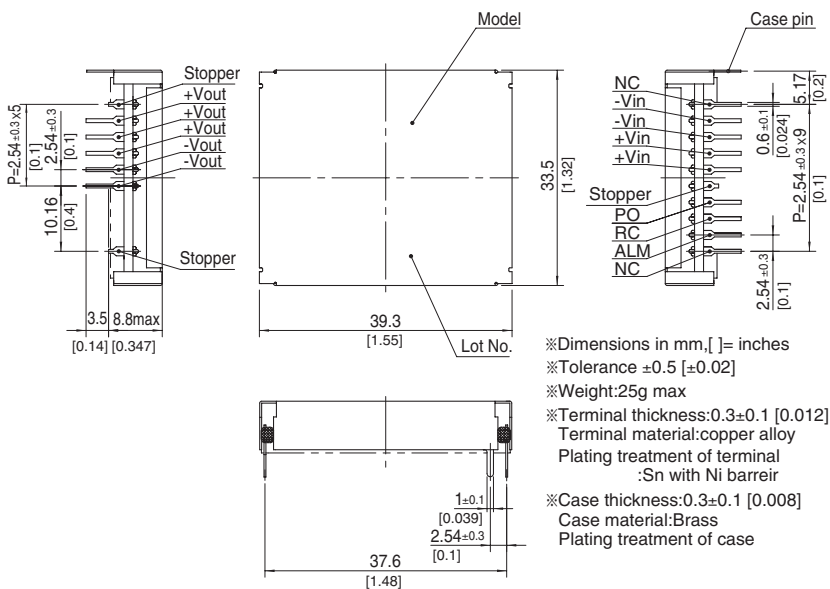
1.SMD(Type:B)



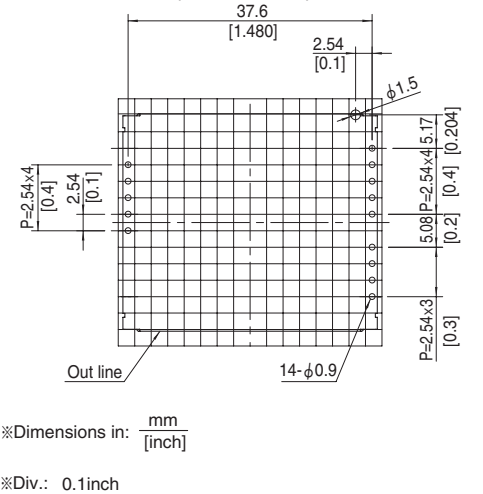
Recommended size for processing PCB (TOP VIEW)



2.DIP(Type:C)



Recommended size for processing PCB (TOP VIEW)





Макро Групп – это:

- дистрибьютор электронных компонентов с 1994 года
- контрактный производитель электроники с 2007 года с собственным производством в Санкт-Петербурге (компания Макро ЕМС, входит в ГК Макро Групп)
- поставщик полупроводниковых материалов
- комплексный поставщик электронных компонентов
- моделирование и производство полупроводниковых эпитаксиальных гетероструктур для задач оптоэлектроники

Головной офис расположен в Санкт-Петербурге. Собственные представительства в крупных промышленных городах России и стран СНГ.

Преимущества для наших заказчиков:

- работа по тендерам с 2012 года
- оформление банковских гарантий
- отсрочки платежей
- поставка электронных компонентов по проектным ценам
- инженерная поддержка проектов заказчиков
- сертификат системы менеджмента качества ISO 9001-2015
- необходимые сертификаты и лицензии

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