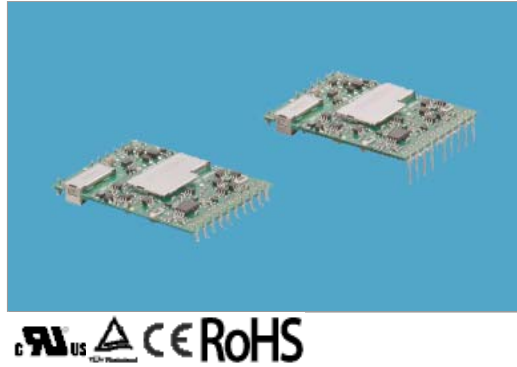


[Home](#) > Product Details

SFS10



Features

- High reliability : not built-in aluminum and tantalum electrolytic capacitor
- Built-in Remote ON/OFF
- Parallel operation
- SMD mounting type and through-hole mounting type
- High efficiency (synchronous rectifier circuit)
- Alarm
- Built-in Over Current Protection
- Built-in Over Voltage Protection
- Built-in Low Voltage Protection
- RoHS Compliant

Safety Agency Approvals

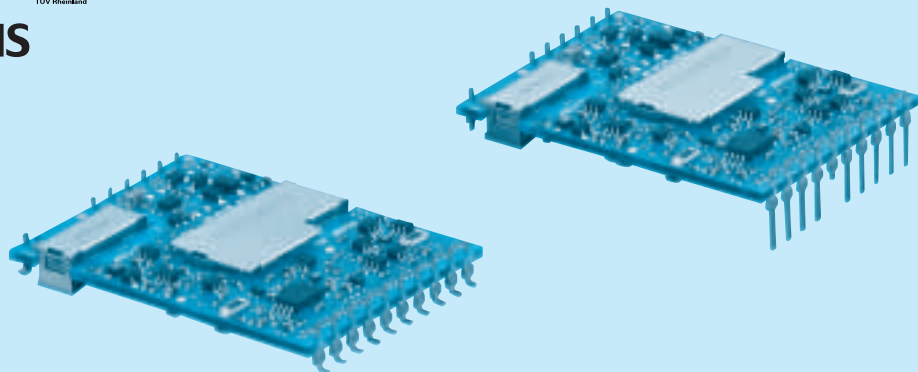
UL60950-1, C-UL, EN60950-1

CE Markings

Low Voltage Directive

5 year warranty(refer to Instruction Manual)

Model	Input Voltage [V]	Output Wattage [W]	DC Output [V/A]
SFS10481R2	DC 36 - 76	4.2	1.2V 3.5A
SFS10481R5	DC 36 - 76	5.25	1.5V 3.5A
SFS10481R8	DC 36 - 76	5.4	1.8V 3A
SFS104802	DC 36 - 76	6	2V 3A
SFS10482R5	DC 36 - 76	7.5	2.5V 3A
SFS10483R3	DC 36 - 76	9.9	3.3V 3A
SFS104805	DC 36 - 76	10	5V 2A
SFS104815	DC 36 - 76	10.5	15V 0.7A
SFS104812	DC 36 - 76	10.8	12V 0.9A



- ① Series name
 ② Single output
 ③ Output wattage
 ④ Input voltage
 48:DC36 - 76V
 ⑤ Output voltage
 ⑧ Mounting type
 (Soldering process)
 B : SMD(Pb-free solder)
 C : DIP(Pb-free solder)

MODEL	SFS10481R2	SFS10481R5	SFS10481R8	SFS104802	SFS10482R5	SFS10483R3	SFS104805	SFS104812	SFS104815
MAX OUTPUT WATTAGE[W]	4.2	5.25	5.4	6.0	7.5	9.9	10.0	10.8	10.5
DC OUTPUT	1.2V 3.5A	1.5V 3.5A	1.8V 3A	2V 3A	2.5V 3A	3.3V 3A	5V 2A	12V 0.9A	15V 0.7A

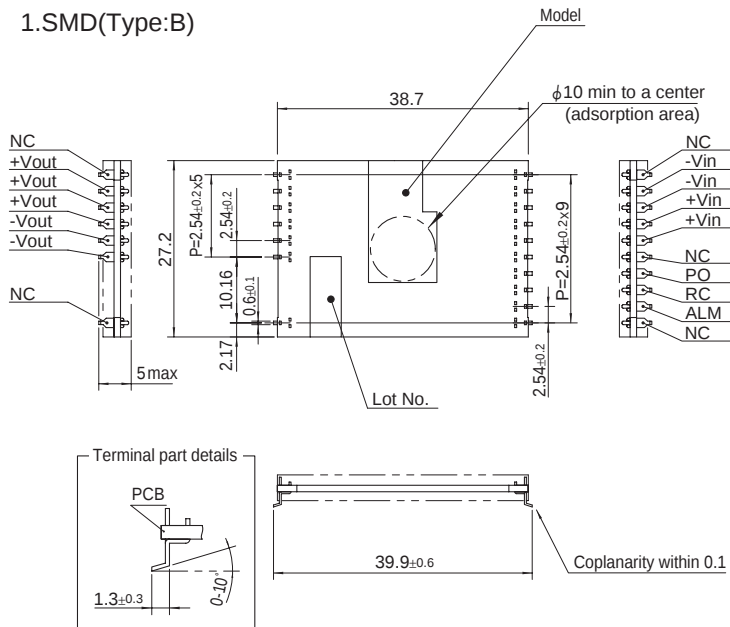
SPECIFICATIONS

	MODEL	SFS10481R2	SFS10481R5	SFS10481R8	SFS104802	SFS10482R5	SFS10483R3	SFS104805	SFS104812	SFS104815
INPUT	VOLTAGE[V]	DC36 - 76								
	CURRENT[A]	0.11typ	0.13typ	0.13typ	0.15typ	0.18typ	0.23typ	0.23typ	0.26typ	0.25typ
	EFFICIENCY[%]	80typ	82typ	84typ	85typ	86typ	88typ	89typ	88typ	88typ
	START-UP VOLTAGE[V]	DC32 - 36								
	HYSTERESIS VOLTAGE[V]	DC2 min								
OUTPUT	VOLTAGE[V]	1.2	1.5	1.8	2	2.5	3.3	5	12	15
	CURRENT[A]	3.5	3.5	3	3	3	3	2	0.9	0.7
	VOLTAGE ACCURACY[%]	+5, -3								
	RIPPLE[mVp-p]	25max							120max	
	RIPPLE NOISE[mVp-p]	50max							150max	
	START-UP TIME[ms]	20 - 200max (DCIN 48V, Io=100%)								
	OUTPUT VOLTAGE SETTING	±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	DC1.500V 1minute, 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								
	VIBRATION	10 - 55Hz, 49.0m/s ² (5G), 3minutes period, 60minutes each along X, Y and Z axis								
	IMPACT	196.1m/s ² (20G), 11ms, once each X, Y and Z axis								
SAFETY	AGENCY APPROVALS	UL60950-1, C-UL (CSA60950-1), EN60950-1								
OTHERS	CASE SIZE/WEIGHT	38.7×5.0×27.2mm (W×H×D) /12g max								
	COOLING METHOD	Convection								

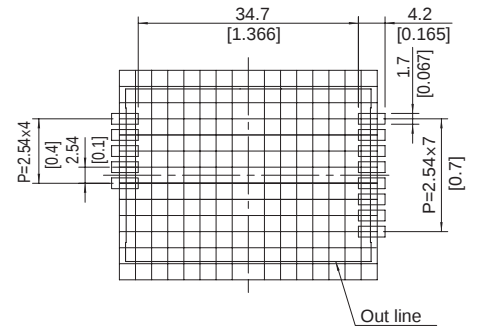
*1 At rated input(DC48V), rated load and 25°C

External view

1.SMD(Type:B)



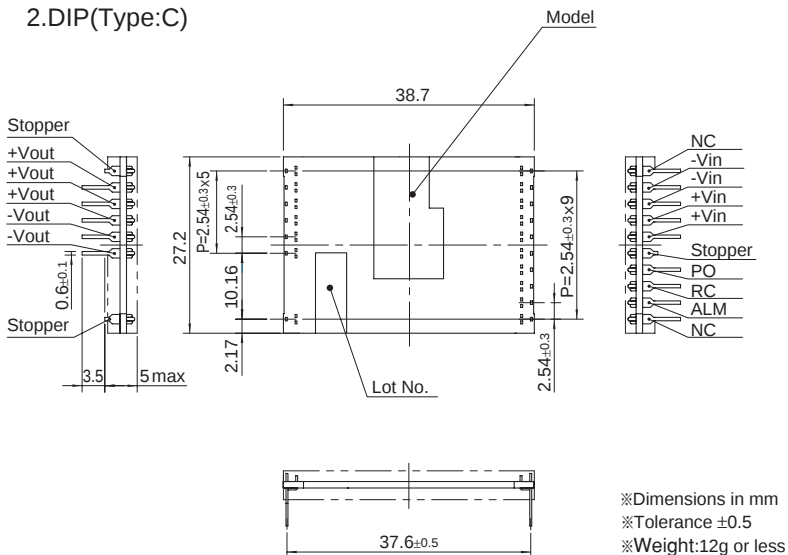
Recommended size for processing PCB (TOP VIEW)



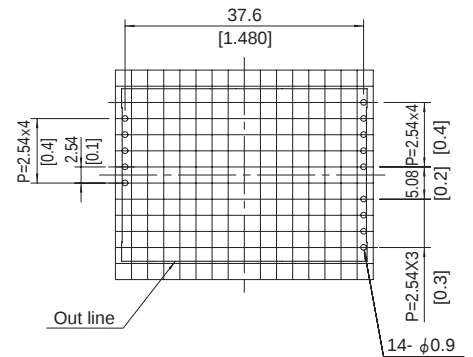
※Dimensions in: $\frac{\text{mm}}{[\text{inch}]}$

※Div.: 0.1inch

2.DIP(Type:C)



Recommended size for processing PCB (TOP VIEW)



※Dimensions in: $\frac{\text{mm}}{[\text{inch}]}$

※Div.: 0.1inch