

# SDS-035 Series

35W, Single Output

12V / 24V / 48V DC INPUT



99 x 82 x 35 mm  
3.9 x 3.23 x 1.38 inch

## Features:

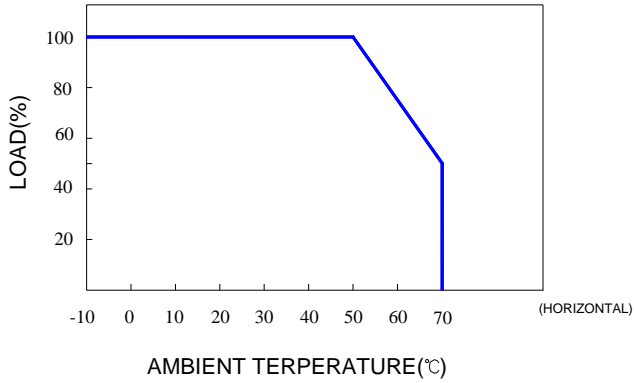
- \* Power ON with LED indicator
- \* 2:1 input range, input and output isolation
- \* Soft start function, low Inrush current
- \* Input polarity reverse protection
- \* Over load, over voltage, short circuit shutdown and Auto recovery
- \* Output voltage  $\pm 10\%$  adjustment
- \* 100% full load burn-in test

## Specification:

INPUT	Model No.	SDS-035A Series		SDS-035B Series		SDS-035C Series	
	Voltage	9 ~ 18V DC (Typical 12V)		18 ~ 36V DC (Typical 24V)		36 ~ 72V DC (Typical 48V)	
	Current	<4.8A @ 9.5V DC		<2.6A @ 18V DC		<1.3A @ 36V DC	
OUTPUT	Voltage	3.3V	5V	7.5V	12V	24V	48V
	Min. Load	0A	0A	0A	0A	0A	0A
	Max. Load	8A	7A	4.7A	3A	1.5A	0.75A
	Regulation	$\pm 3\%$	$\pm 2\%$	$\pm 2\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$
	Ripple Noise (MAX.)	70mV	70mV	100mV	120mV	200mV	250mV
	Efficiency (TYP.)	SDS-035A	66%	70%	71%	74%	76%
SDS-035B		68%	72%	73%	76%	78%	80%
SDS-035C		69%	74%	75%	78%	80%	82%
PROTECTION	Over Voltage	3.8~4.6V	5.8~7.0V	8.6~10.5V	13.8~16.8V	27.6~33.6V	55.2~67.2V
	Over Load	Over 105% ~ 180% of rating, recovers automatically after fault condition has been removed.					
	Short Circuit	Shutdown, recovers automatically after fault condition has been removed.					
ELEC. CHAR.	Rise time	<20mS					
ENVIRONMENT	Temperature	Operating: -10 ~ +70°C ; De-rating: 50 ~ 70°C: 2.5%/°C ; Storage: -20~ +85°C					
	Humidity	Operating: 20% ~ 85%; Storage: 10% ~ 95% (non condensing)					
SAFETY & EMC	Safety standard	UL 60950-1, CSA C22.2 No.60950-1, TUV EN 60950-1:2001+A11, IEC 60950-1, EMKO-TSE(74-SEC)207/94 standard.					
	EMI	EN 55022 CLASS B · FCC CFR 47 PART 15 CLASS B · CNS 13438 CLASS B.					
	EMS	EN 55024 : EN 61000-4-2,3,4,5,6,8.					
OTHERS	Cooling	Natural cooling					
	M.T.B.F.	417K hours					
	Packing	N.W.:0.39Kg / 1pc; 46pcs / 1.22Cu ft <sup>3</sup> / 1 CTN					

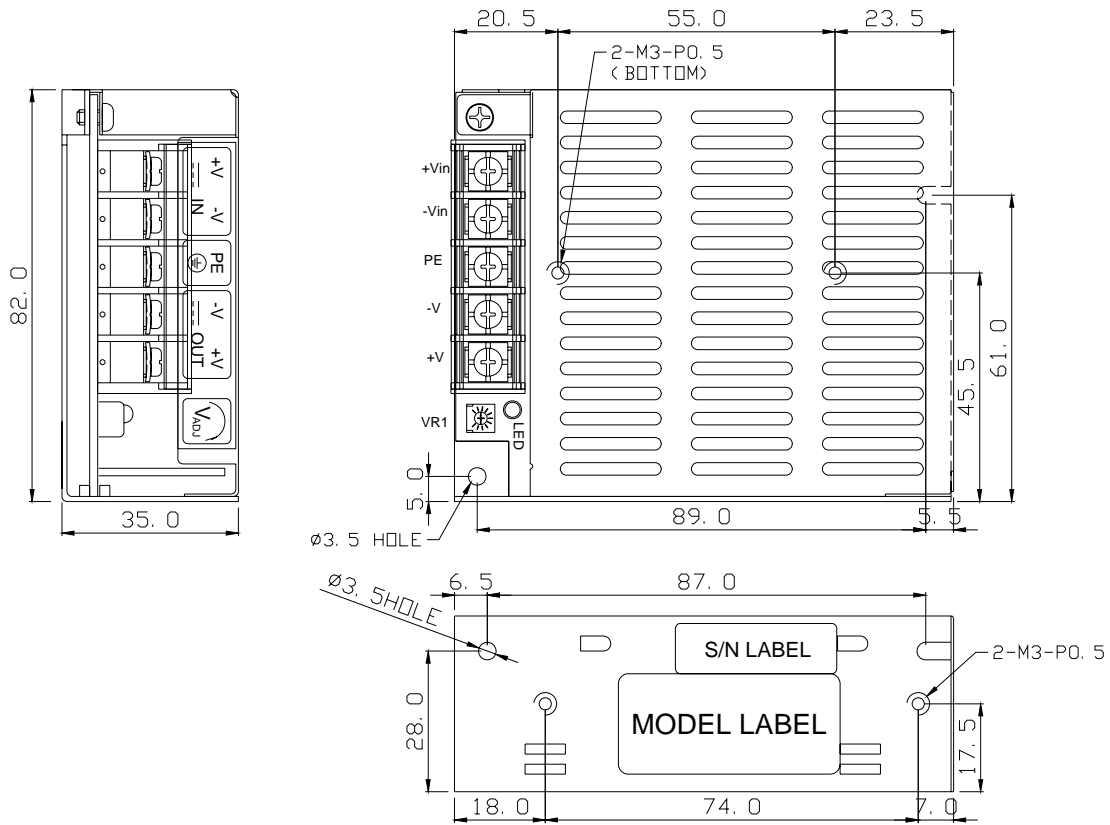
# SDS-035 Series

## Derating Curve :



## Dimension:

(Unit: mm)



## NOTES:

TERMINAL BLOCK: 5P, PITCH 9.5mm with pc cover