

SDS 100M/L DC-DC / Single

80~100W

Country of Origin : Taiwan
 Operating Temperature : -20 ~ 70° C
 Dimension : 198 x 95 x 38 mm



Features:

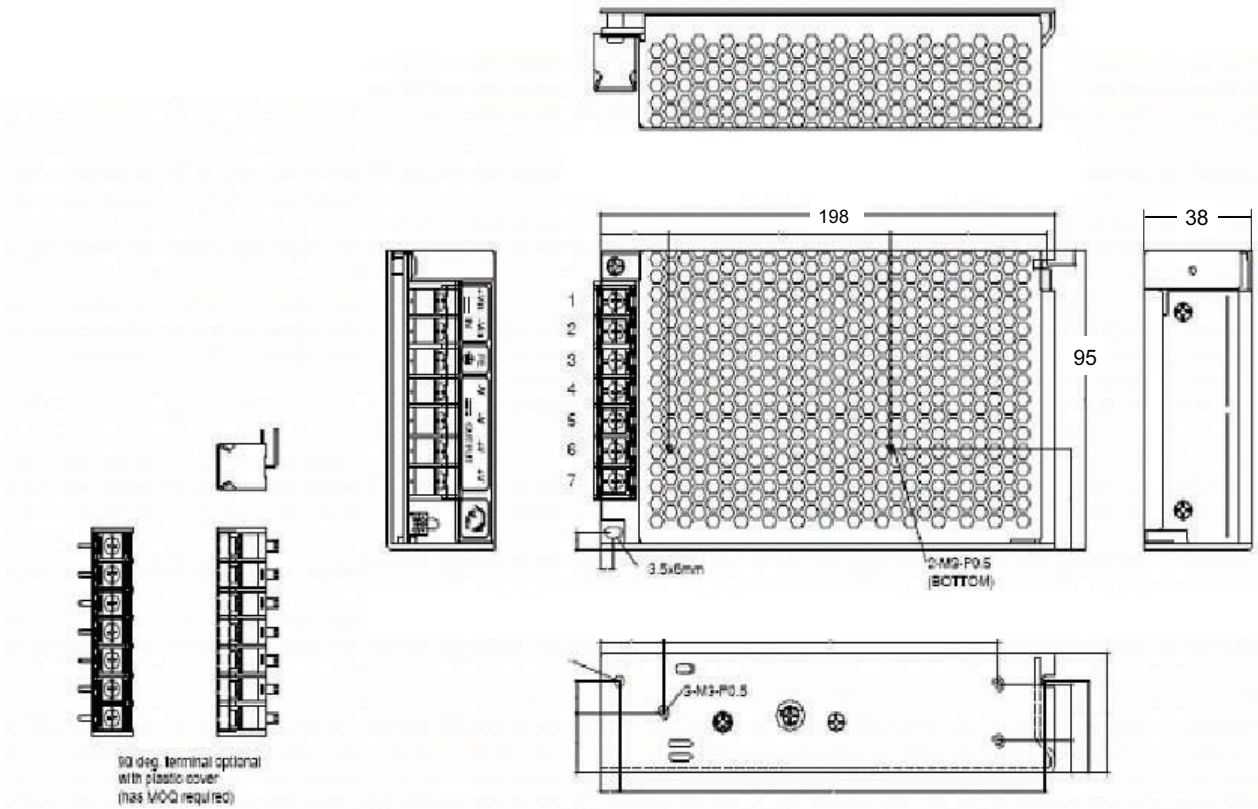
DC Input : M-Series 19VDC ~ 72VDC / L-Series 9.5VDC ~ 36VDC
 Input protection: 15A/250V fuses
 Inrush current limitation soft start function
 Input & output isolation
 Input polarity reverse protection
 Over load, over voltage & short circuit protection
 Output voltage $\pm 10\%$ adjustment
 100% full load burn-in test
 -20°C to 70°C operating temperature
 Meet LVD standart
 1 year warranty

Specification:

MODEL		SDS-100 X-5	SDS-100 X -12	SDS-100 X -24	SDS-100 X -36	SDS-100 X -48
OUTPUT	Voltage	5V	12V	24V	36V	48V
	min. Load	0A	0A	0A	0A	0A
	max. Load	16A	8.4A	4.2	2.8A	2.1A
	Tolerance	$\pm 2\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$
	Ripple & Noise (max)	70mV	120mV	200mV	240mV	240mV
Efficiency M / L	79% / 77%	84% / 82%	86% / 84%	86% / 84%	88% / 85%	
Max. Output Power		80W	100W	101W	101W	101W
Output Voltage adjustment range		$\pm 10\%$				
Input voltage		X = M-Series 19VDC ~ 72VDC / XL-Series 9.5VDC ~ 36VDC				
PROTECTION	Over Load	Over 105% ~ 150% max load or short circuit acted, shut down and recover automatically				
	Over Voltage	5.8~7.0V	13.8~16.8V	27.6~33.6V	41.4~50.4V	55.2~67.2V
		Shut down and latch off, recover after re-start up				
OTHERS	Rise time	< 20ms				
	Cooling	Natural Cooling				
	Withstand Voltage	I/P-O/P: 2KVAC / I/P-FG: 1.5VAC / O/P-FG: 0.5KVAC, 1minute				
	Isolation resistance	i/P-O/P, I/P-PE, O/P-PE >100M Ω /500VDC at 25°C / 70% RH				
Environment	Temperature	Operating: -20 ~ 70°C / Derating: 45 ~ 70°C : 2.5%/°C / Storage: -40 ~ 85°C				
	Humidity	Operating: 20% ~ 85% / Storage: 10% ~ 95% (non condensing)				
Connection		7P/ 9.5mm pitch terminal block				
M.T.B.F.		254K hours				
EMC	EMI	EN 55022 CLASS B – FCC CFR 47 PART 15 CLASS B – CNS 13438 CLASS B				
	EMS	EN 55024 : EN 61000-4-3-2,3,4,6,8 : ENV 50204				
WEIGHT		N.W.: 0.69 kg/pc				

NOTE
 All measurements which not mentioned are based on 24VDC input, output Max. at ambient 25°C / 70% RH
 Output tolerance included set up voltage, line regulation and load regulation
 Ripple & noise are measured at 11~36VDC input with 0~50°C condition and 20MHz of bandwidth by using a 10"~15" twisted pair-wire terminated
 The operating Temperature shall follow the derating curve in spec.
 The power supply is considered a component of end-equipment. The end-equipment must be re-confirmed whether comply with EMC directives.

SDS 100L/M



NOTES:

7P, PITCH 9.5mm WITH PC COVER							
MODEL No.	1	2	3	4	5	6	7
SDS-100L-xx	+Vin	-Vin	PE	-V	-V	+V	+V

