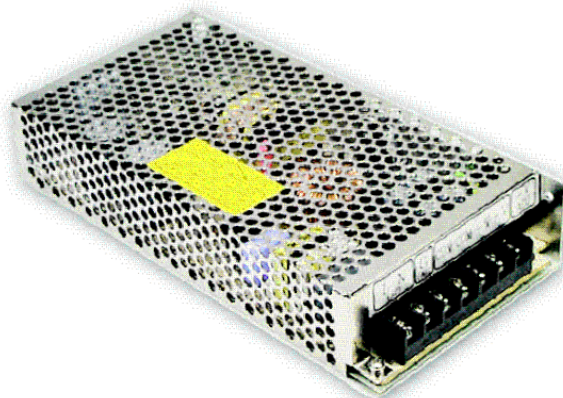


S 100F

Single

100W

Country of Origin : Taiwan
Operating Temperature : -10 ~ 60° C
Dimension : 199 x 98 x 38 mm
Approvals / Marks : UL, TÜV, CB, CE



Features:

AC input range selectable by switch

Over load, over voltage & short circuit protection

Cooling by free air convection

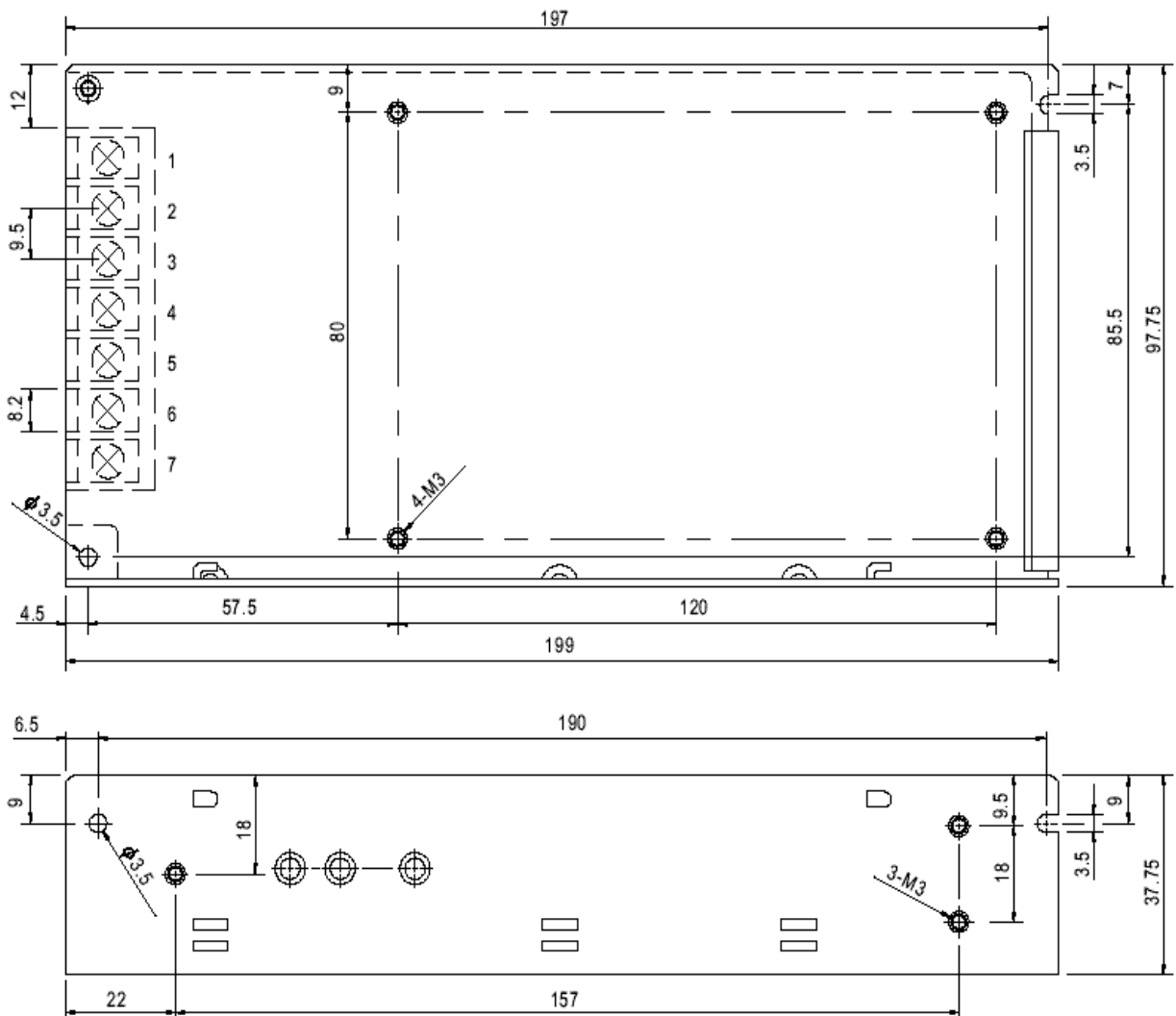
100% full load burn-in test

1 year warranty

Specification:

MODEL	S100F-5	S100F-7.5	S100F-12	S100F-15	S100F-24	100F-48	
OUTPUT	Voltage	5V	7.5V	12V	15V	24V	48V
	min. Load	0A	0A	0A	0A	0A	0A
	max. Load	20A	13.5A	8.5A	6.7A	4.5A	2.2A
	Tolerance	±2%	±1%	±1%	±1%	±1%	±1%
	Ripple & Noise (max)	100mV	125mV	125mV	125mV	150mV	150mV
	Efficiency (typ)	76%	78%	80%	81%	83%	84%
Max. Output Power	100W	101W	102W	100W	108W	105W	
Output Voltage adjustment range	±10% of rated output voltage						
INPUT	Voltage	85 ~ 132VAC / 170 ~ 264VAC switch selection ; 248 ~ 370VDC					
	Frequency	47 ~ 63 Hz					
	Current	2.4A@115VAC / 1.2A@230VAC					
	Inrush Current	<30A@115VAC / <60A@230VAC , Cold start					
	Leakage Current	<1mA@240VAC					
	P.F.C.	-					
PROTECTION	Over Load	105% ~ 150% Hiccup mode, auto recovery after fault has been removed					
	Over Voltage	115% ~ 135% of rated output voltage, Hiccup mode, auto recovery after fault has been removed					
	Over Temp.	-					
	Short Circuit	Yes					
OTHERS	Setup time	1000ms @ 230VAC					
	Rise time	30ms @ 230VAC					
	Holdup time	15ms @ 230VAC					
	Cooling	Free air convection					
	Withstand Voltage	I/P-O/P:3KVAC, I/P-FG:1.5KVAC, O/P-FG:0.5KVAC / 1 minute					
	Isolation Resistance	I/P-O/P, I/P-FG, O/P-FG : 500VDC / 100M Ohm					
Switching Frequency	83KHz (fixed)						
Environment	Temperature	Operating: -10 ~ 60°C / Derating: -10 ~ 0°C: 2%/°C , 50 ~ 60°C: 4%/°C / Storage: -20 ~ 85°C					
	Humidity	Operating: 20 ~ 90% RH / Storage: 10 ~ 95% RH					
Connection	7P/ 9.5mm pitch terminal block with cover						
M.T.F.B.	> 314K hours (according to MIL-HDBK-217F at 25°C environment)						
SAFETY	Approved: UL 1012 / UL 1950 / TÜV EN60950						
EMC	EMI	EN55022 CLASS B / EN61000-3-2,3					
	EMS	EN61000-4-2,3,4,5,6,8,11 / ENV50204 / ENV55024					
WEIGHT	N.W.: 0.65 kg/pc						

S 100F



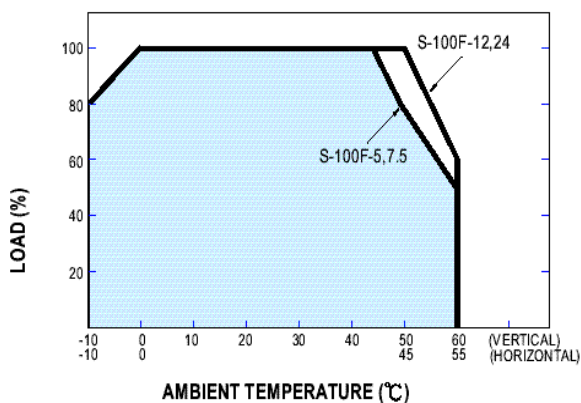
All measurements in millimeters [mm]

Dimension : 199mm x 98mm x 38mm

Terminal Pin. No Assignment

Pin No.	Assignment	Pin No.	Assignment
1	AC/L	4,5	DC OUTPUT -V
2	AC/N	6,7	DC OUTPUT +V
3	FG \perp		

Output Derating



Static Characteristics (24V)

