

# SPP-D Series

## 30~45Watts, Single/Dual/Triple Output, AC-DC Power Supply

### FEATURES

- \* Safety Approved:  
UL1950/ CSA C22.2 No 950-95/ TUV EN 60950/  
IEC 60950/ EMKO-TSE 207/94
- \* EMI: FCC CFR47 Part 15 Class B/ EN50081-1/  
CNS 13438 Class B  
EMS: EN50082-1
- \* Over load, over voltage, short circuit protection
- \* Low ripple noise
- \* 100% 50°C burn-in test.
- \* 2 year warranty

### AMBIENT

- \* Operating temperature range: 0~70°C;  
De-rating factor 50°C ~70°C :2.5%/°C
- \* Storage temperature: -10 to +75°C
- \* Humidity: Operation: 20% to 85% RH.(Non condensing)  
Storage: 10% to 95% RH.(Non condensing)
- \* MTBF: >150,000 hours

### INPUT

- \* Universal full range 90~264VAC
- \* AC Frequency: 47~63Hz
- \* Current: D30~D37: <0.8A@100V  
D30~D37: <1.3A@100V
- \* Inrush current: <20A@115V, <40A@230V  
Cold start at 25°C ambient
- \* Leakage current: ≤1.5mA @ AC 264V

### DC OUTPUT

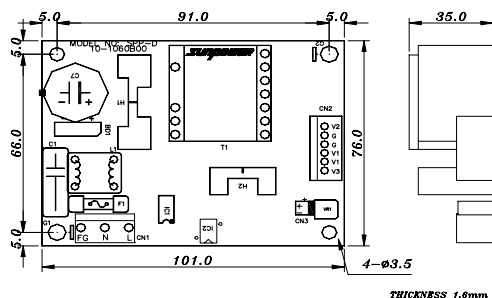
- \* Setup time: 800ms@115VAC, 300ms@230VAC
- \* Rise time: ≤20ms
- \* Hold up time: 16.7ms@115VAC, 80ms@230VAC

### PACKING

- \* N.W.: 0.2Kg / 1pc; 30pcs / 2.03Cuf<sup>3</sup> / 1CTN



Mounting Hole: 91 x 66mm  
Dimension: 101 x 76mm



- \* Connector: Input: 3p/ 7.92mm pitch  
output: 6p/3.96mm pitch

MODEL NO.	SPP-D030			SPP-D031			SPP-D032		SPP-D033		SPP-D034	SPP-D035		SPP-D036		SPP-D037		
OUTPUT	V1	V2	V3	V1	V2	V3	V1	V2	V1	V2	V1	V1	V2	V1	V2	V1		
VOLTAGE	+5V	+12V	-12V	+5V	+12V	-5V	+5V	+12V	+5V	+12V	+5V	+12V	-12V	+15V	-15V	+24V		
MIN. LOAD	0.3A	0.1A	0A	0.3A	0.1A	0A	0.3A	0.1A	0.3A	0.1A	0.3A	0.1A	0A	0.1A	0A	0.1A		
MAX. LOAD	2.0A	1.5A	0.3A	2.0A	1.5A	0.3A	2.0A	1.8A	3.0A	1.5A	6.0A	2.5A	0.3A	2.0A	0.3A	1.3A		
Regulation	±5%	±5%	±10%	±5%	±5%	±10%	±5%	±5%	±5%	±5%	±5%	±5%	±10%	±5%	±10%	±2%		
RIPPLE & NOISE(MAX.)	70mV	120mV	240mV	70mV	120mV	100mV	70mV	120mV	70mV	120mV	100mV	120mV	200mV	150mV	200mV	240mV		
EFFICIENCY(TYP.)	70%			70%			72%		71%		67%	72%		74%		75%		
MODEL NO.	SPP-D040			SPP-D041			SPP-D042			SPP-D043		SPP-D044		SPP-D045		SPP-D046		SPP-D047
OUTPUT	V1	V2	V3	V1	V2	V3	V1	V2	V3	V1	V2	V1	V2	V1	V2	V1	V2	V1
VOLTAGE	+5V	+12V	-12V	+5V	+12V	-5V	+5V	+15V	-15V	+5V	+12V	+5V	+24V	+12V	-12V	+15V	-15V	+24V
MIN. LOAD	0.3A	0.1A	0A	0.3A	0.1A	0A	0.3A	0.1A	0A	0.3A	0.1A	0.3A	0.1A	0.1A	0A	0.1A	0A	0.1A
MAX. LOAD	3.0A	2.0A	0.3A	3.0A	2.0A	0.3A	3.0A	1.5A	0.3A	3.0A	2.0A	2.0A	1.3A	3.0A	0.3A	2.5A	0.3A	1.8A
Regulation	±5%	±5%	±10%	±5%	±5%	±10%	±5%	±5%	±10%	±5%	±5%	±5%	±5%	±5%	±10%	±5%	±10%	±2%
RIPPLE & NOISE(MAX.)	70mV	120mV	240mV	70mV	120mV	100mV	70mV	150mV	200mV	70mV	120mV	70mV	240mV	120mV	240mV	150mV	200mV	240mV
EFFICIENCY(TYP.)	70%			70%			70%			72%		75%		74%		75%		76%