

# SPP-F Series

## 40~65Watts, 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/CNS13438 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: F030-F033: <1.0A@100V  
F040-F049: <1.3A@100V  
F060-F067: <1.8A@100V
- \* Inrush current: <20A@115V, <40A@230V  
Cold start at 25°C ambient
- \* Leakage current: ≤1.5mA @ AC 264V

### DC OUTPUT

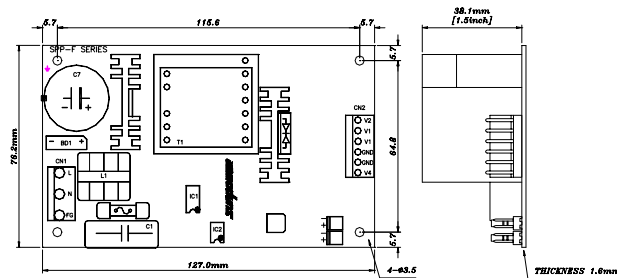
- \* Setup time: 800ms@115VAC, 300ms@230VAC
- \* Rise time: ≤20ms
- \* Hold up time: 16.7ms@115VAC, 80ms@230VAC

### PACKING

- \* N.W.: 0.25Kg / 1pc; 30pcs / 2.03Cuft³ / 1CTN



Mounting Hole: 115.6 x 64.8mm  
Dimension: 127 x 76.2mm



- \* Connector: Input: 3p/ 7.92mm pitch  
output: 7p/3.96mm pitch

MODEL NO.	SPP-F030				SPP-F033				SPP-F040				SPP-F041			SPP-F042		
OUTPUT	V1	V2	V3	V4	V1	V2	V3	V4	V1	V2	V3	V4	V1	V2	V3	V1	V2	V3
VOLTAGE	+5V	+12V	-12V	+24V	+5.2V	+7V	-7V	+14V	+5V	+12V	-5V	-12V	+5V	+12V	-12V	+5V	+12V	-5V
MIN. LOAD	0.3A	0.1A	0A	0A	0.3A	0.1A	0A	0A	0.3A	0.1A	0A	0A	0.3A	0.1A	0A	0.3A	0.1A	0A
MAX. LOAD	2.0A	1.0A	0.3A	0.2A	1.5A	1.0A	0.1A	1.0A	3.0A	2.0A	0.3A	0.3A	3.0A	2.0A	0.3A	3.0A	2.0A	0.3A
Regulation	±5%	±5%	±10%	±10%	±5%	±5%	±10%	±10%	±5%	±10%	±5%	±10%	±5%	±5%	±10%	±5%	±5%	±5%
RIPPLE & NOISE(MAX.)	50mV	120mV	120mV	240mV	50mV	70mV	70mV	140mV	70mV	100mV	150mV	240mV	70mV	150mV	240mV	70mV	100mV	150mV
EFFICIENCY(TYP.)	70%				65%				70%				70%			70%		
MODEL NO.	SPP-F043		SPP-F044		SPP-F045			SPP-F046	SPP-F047		SPP-F048		SPP-F049	SPP-F060				
OUTPUT	V1	V2	V1	V2	V3	V1	V2	V3	V1	V1	V2	V1	V2	V1	V1	V2	V3	V4
VOLTAGE	+5V	+12V	+5V	+15V	-15V	+5V	+12V	-5V	+5V	+12V	-12V	+15V	-15V	+24V	+5V	+12V	-12V	-5V
MIN. LOAD	0.3A	0.1A	0.3A	0.1A	0A	0.3A	0.1A	0A	0.3A	0.1A	0A	0.1A	0A	0.1A	0.3A	0.1A	0A	0A
MAX. LOAD	3.0A	2.0A	3.0A	1.5A	0.3A	5.0A	1.5A	0.3A	8.0A	3.5A	0.3A	2.7A	0.3A	1.8A	4.0A	3.0A	0.3A	0.3A
Regulation	±5%	±5%	±5%	±5%	±10%	±5%	±5%	±10%	±5%	±5%	±10%	±5%	±10%	±5%	±5%	±5%	±10%	±10%
RIPPLE & NOISE(MAX.)	70mV	150mV	50mV	150mV	150mV	50mV	120mV	100mV	70mV	120mV	240mV	240mV	150mV	240mV	70mV	120mV	240mV	100mV
EFFICIENCY(TYP.)	70%		70%		70%			66%	72%		77%		78%	72%				
MODEL NO.	SPP-F061			SPP-F062			SPP-F063		SPP-F065		SPP-F066		SPP-F067					
OUTPUT	V1	V2	V3	V1	V2	V3	V1	V2	V1	V2	V1	V2	V1					
VOLTAGE	+5V	+12V	-12V	+5V	+12V	-5V	+5V	+12V	+12V	+12V	+12V	-12V	+15V					
MIN. LOAD	0.3A	0.1A	0A	0.3A	0.1A	0A	0.3A	0.1A	0.1A	0A	0A	0A	0.1A					
MAX. LOAD	4.0A	3.0A	0.3A	5.0A	3.0A	0.3A	6.0A	2.5A	5.0A	0.3A	4.0A	0.3A	2.5A					
Regulation	±5%	±5%	±10%	±5%	±5%	±10%	±5%	±5%	±5%	±5%	±10%	±5%	±2%					
RIPPLE & NOISE(MAX.)	70mV	150mV	240mV	70mV	120mV	100mV	70mV	120mV	120mV	240mV	150mV	300mV	100mV					
EFFICIENCY(TYP.)	73%			73%			74%		73%		77%		80%					