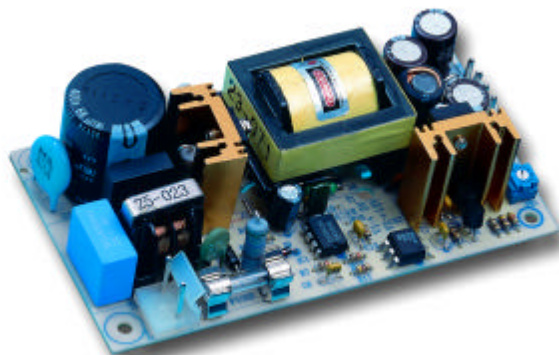


Country of Origin :	Taiwan
Operating Temperature :	-10 ~ 70° C
Dimension :	110 x 60 x 28 mm
Mounting Holes :	100 x 50 mm
Approvals / Marks :	UL, c-UL, CB, CE

**Features:**

Universal full range input 90 ~ 264VAC
 Light weight, compact size
 High efficiency, high reliability
 Low ripple & noise
 Over voltage & short circuit protection
 100% 50°C burn-in tested
 1 year warranty

Specification:

MODEL		SPP-A021	SPP-A031	SPP-A032	SPP-A034
OUTPUT	Voltage	5V	5V	12V	24V
	min. Load	0A	0A	0A	0A
	max. Load	4A	6A	2.5A	1.3A
	Tolerance	±5%	±5%	±5%	±5%
	Ripple & Noise (max)	70mV	70mV	120mV	240mV
	Efficiency (typ)	61%	62%	70%	75%
Max. Output Power		20W	30W	30W	31.2W
INPUT	Voltage	90 ~ 264VAC Universal full range, single phase			
	Frequency	47 ~ 63 Hz			
	Current	<0.5A@100VAC	<0.8A @100VAC		
	Inrush Current	<30A@115VAC / <50A@230VAC input, full load condition. Cold start at 25°C ambient			
	Leakage Current	<1.5mA@264VAC input			
PROTECTION	Overload	-			
	Over Voltage	+5V: 5.8 ~ 7V	+5V: 5.8 ~ 7V	+12V: 13.8 ~ 17.5V	+24V: 27.6 ~ 33.6V
	Over Temp.	-			
	Short Circuit	Output to Ground: Shutdown, recovers automatically after fault has been removed			
OTHERS	Setup time	< 300ms@230VAC / 800ms@115VAC typical			
	Rise time	< 20ms@230VAC			
	Holdup time	> 20ms@230VAC			
	Cooling	Natural cooling			
Environment	Temperature	Operating: -10 ~ 70°C / Derating: 45 ~ 70°C: 2.5%/°C / Storage: -20 ~ 75°C			
	Humidity	Operating: 20% ~ 85% RH / Storage: 10% ~ 95% RH (non condensing)			
M.T.B.F.	> 375K hours (according to MIL-HDBK-217F at 25°C environment)				
SAFETY	Approved	UL 1950 2 nd edition (1993) / CSA C22.2 No. 950 / IEC 60950: 1991+A1+A2+A3+A4(1996)			
		EMKO-TSE (74-SEC)207/94 // (meets TÜV EN 60950-1 st edition: 2001 standard)			
EMC	EMI	FCC CFR 47 Part 15 subpart J Class B / EN 55022 A2:2003 / CNS 13438 Class B			
	EMS	EN 55024 / EN61000-4-2,3,4,5,6,8,11			
WEIGHT	N.W.: 0.15 kg				