



■ Features :

- 2 pole AC inlet IEC320-C8
- Class II power (without earth pin)
- Full output 3~48V safety approval
- Protections: Short circuit / Over load / Over temp.
- Fix switching frequency and regulation
- Pass LPS for 12~48V output
- LED indicator for power on
- Fully enclosed plastic case
- Topology: Top switch circuit
- Approvals: UL / CUL / TUV / CB / CE
- 1 year warranty

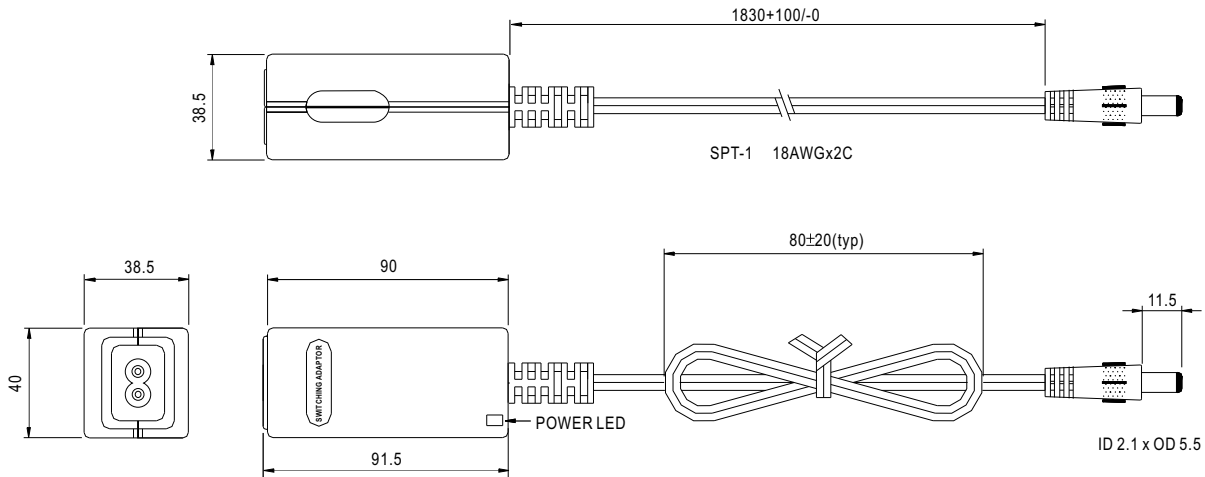


SPECIFICATION

ORDER NO.		P15B-0P2J	P15B-1P2J	P15B-1-1P2J	P15B-2P2J	P15B-3P2J	P15B-4P2J	P15B-5P2J	P15B-6P2J	P15B-8P2J
OUTPUT	SAFETY MODEL NO.	PSU15B-0	PSU15B-1	PSU15B-1-1	PSU15B-2	PSU15B-3	PSU15B-4	PSU15B-5	PSU15B-6	PSU15B-8
	DC VOLTAGE Note.2	3.3V	5V	7.5V	9V	12V	15V	18V	24V	48V
	RATED CURRENT	2.18A	2.40A	1.60A	1.66A	1.25A	1.00A	0.83A	0.62A	0.31A
	CURRENT RANGE	0 ~ 2.18A	0 ~ 2.40A	0 ~ 1.60A	0 ~ 1.66A	0 ~ 1.25A	0 ~ 1.00A	0 ~ 0.83A	0 ~ 0.62A	0 ~ 0.31A
	RATED POWER	7.2W	12W	12W	15W	15W	15W	15W	15W	15W
	RIPPLE & NOISE (max.) Note.3	50mVp-p	50mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p	100mVp-p	180mVp-p	300mVp-p
	VOLTAGE ADJ. RANGE	3~5V	5~6V	6~8V	8~11V	11~13V	13~16V	16~21V	21~27V	33~48V
	VOLTAGE TOLERANCE Note.4	±6.0%	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±3.0%	±2.0%
	LINE REGULATION Note.5	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
	LOAD REGULATION Note.6	±5.0%	±4.5%	±4.5%	±4.5%	±2.5%	±2.5%	±2.5%	±2.5%	±1.5%
	SETUP, RISE, HOLD TIME	200ms, 50ms, 8ms at full load								
INPUT	VOLTAGE RANGE	90 ~ 264VAC 135~370VDC								
	FREQUENCY RANGE	47~63Hz								
	EFFICIENCY (Typ.)	55%	65%	72%	74%	75%	76%	78%	80%	80%
	AC CURRENT	0.5A / 100VAC								
	INRUSH CURRENT (max.)	30A / 230VAC								
	LEAKAGE CURRENT (max.)	0.25mA / 240VAC								
PROTECTION	OVER LOAD	200~450% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed								
	OVER VOLTAGE	110~140% rated output voltage Protection type : Shut down o/p voltage, re-power on to recover								
	OVER TEMPERATURE	IC1Tj135℃ Protection type : Shut down o/p voltage, recovers automatically after temperature goes down								
ENVIRONMENT	WORKING TEMP.	0~+50℃ (Refer to output load derating curve)								
	WORKING HUMIDITY	20%~90% RH non-condensing								
	STORAGE TEMP., HUMIDITY	-20~+85℃ 10~95% RH								
	TEMP. COEFFICIENT	±0.03% / °C (0~50℃)								
	VIBRATION	10~500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes								
SAFETY & EMC (Note. 7)	SAFETY STANDARDS	UL1950, CSA22.2, EN60950 Approved								
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC								
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC								
	EMI CONDUCTION & RADIATION	Compliance to EN55022(CISPR22) class B								
	HARMONIC CURRENT	Compliance to EN61000-3-2,3								
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11, ENV50204, Light industry level, criteria A								
	MTBF	500khrs min. MIL-HDBK-217F(25℃)								
	DIMENSION	92*40*39mm (L*W*H)								
CONNECTOR	PACKING	180g; 90pcs / 20kg / CARTON								
	PLUG	Standard type P2J: 2.1φ * 5.5φ * 11mm, center positive for stock ; Other type available by customer requested								
	CABLE	Standard type 18Awg*2c SPT-1 6ft for stock ; Other type available by customer requested								
NOTE		1.All parameters are specified at 230VAC input, rated load, 25℃ 70% RH. Ambient. 2.DC voltage: The output voltage set at point measure by plug terminal & 50% load. 3.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. 4.Tolerance: includes set up tolerance, line regulation, load regulation. 5.Line regulation is measured from low line to high line at rated load. 6.Load regulation is measured from 0% to 100% rated load. 7.The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.								

Mechanical Specification

Unit:mm

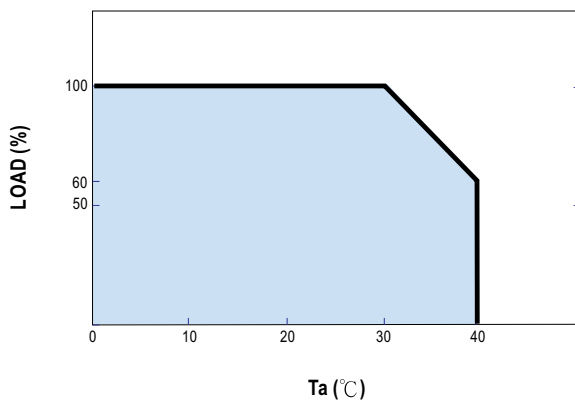


Plug Assignment

Standard plug: P2J (option)

P2J	
P/N	OUTPUT
CENTER	+

Derating Curve



Static Characteristics

