



- Features :
 - 3 pole AC inlet IEC320-C14
 - Class I power (with earth pin)
 - Protections: Short circuit / Overload / Over voltage
 - Fully enclosed plastic case
 - Fix switching frequency and regulation
 - Topology: PWM 3882 circuit
 - LED indicator for power on
 - Approvals: UL / CUL / TUV / CE
 - 1 year warranty

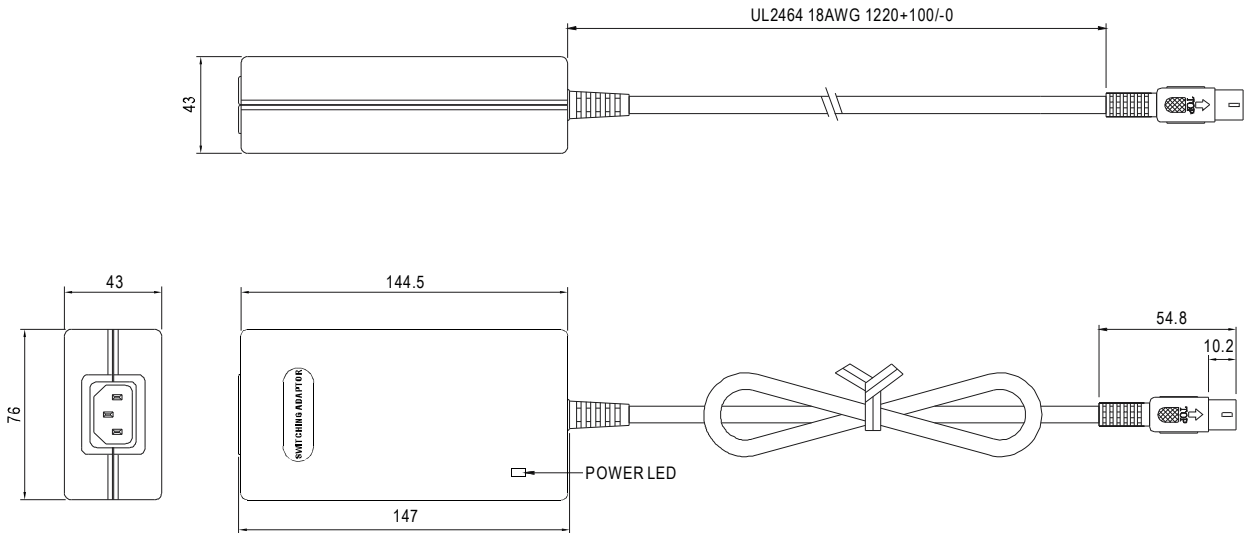


SPECIFICATION

ORDER NO.	P50A13-R1B	P50A14-R1B	P50A16-R1B					
OUTPUT	SAFETY MODEL NO. P50A13		P50A14		P50A16			
	DC VOLTAGE Note.2	5V	12V	5V	15V	5V	24V	
	RATED CURRENT	4A	2A	4A	1.8A	4A	1A	
	CURRENT RANGE	0.5 ~ 4.0A	0.1 ~ 2.0A	0.5 ~ 4.0A	0.1 ~ 1.8A	0.5 ~ 4.0A	0.1 ~ 1.0A	
	RATED POWER	44W		47W		49W		
	RIPPLE & NOISE (max.) Note.3	50mVp-p	100mVp-p	50mVp-p	100mVp-p	50mVp-p	100mVp-p	
	VOLTAGE ADJ. RANGE	Fixed						
	VOLTAGE TOLERANCE Note.4	±6.0%	±10%	±6.0%	±10%	±6.0%	±10%	
	LINE REGULATION Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	LOAD REGULATION Note.6	±5.0%	±9.0%	±5.0%	±9.0%	±5.0%	±9.0%	
SETUP, RISE, HOLD UP TIME	1.5s, 50ms, 12ms at full load							
INPUT	VOLTAGE RANGE		90 ~ 264VAC		135 ~ 370VDC			
	FREQUENCY RANGE		47 ~ 63Hz					
	EFFICIENCY (Typ.)		70%		74%		75%	
	AC CURRENT		1.6A / 100VAC					
	INRUSH CURRENT (max.)		40A / 230VAC					
	LEAKAGE CURRENT(max.)		0.75mA / 240VAC					
PROTECTION	OVERLOAD		150 ~ 250% rated output power				Protection type : Hiccup mode, recovers automatically after fault condition is removed	
	OVER VOLTAGE		5V: 110 ~ 140% of rated output voltage				Protection type : Shut down o/p voltage, re-power on to recover	
ENVIRONMENT	WORKING TEMP.		0 ~ +40°C (Refer to "Derating Curve")					
	WORKING HUMIDITY		20% ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY		-20 ~ +85°C, 10 ~ 95% RH					
	TEMP. COEFFICIENT		±0.03% / °C (0 ~ 50°C)					
	VIBRATION		10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes					
SAFETY & EMC (Note. 7)	SAFETY STANDARDS		UL1950, CSA22.2, EN60950-1 approved					
	WITHSTAND VOLTAGE		I/P-O/P:3KVAC, I/P-FG:1.5KVAC					
	ISOLATION RESISTANCE		I/P-O/P,I/P-FG:100M Ohms / 500VDC / 25°C / 70% RH					
	EMI CONDUCTION & RADIATION		Compliance to EN55022(CISPR22) class B					
	HARMONIC CURRENT		Compliance to EN61000-3-2,3					
	EMS IMMUNITY		Compliance to EN61000-4-2,3,4,5,6,11, ENV50204, light industry level, criteria A					
OTHERS	MTBF		280K hrs min. MIL-HDBK-217F (25°C)					
	DIMENSION		147*76*43mm (L*W*H)					
	PACKING		0.55kg; 36pcs / 21kg / CARTON					
CONNECTOR	PLUG		Standard type R1B: DIN 5PIN for stock ; Other type available by customer requested					
	CABLE		Standard type AWM2464 18Awg*4c with shield 4ft for stock ; Other type available by customer requested					
NOTE	1. All parameters are specified at 230VAC input, rated load, 25°C 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 20% 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.							

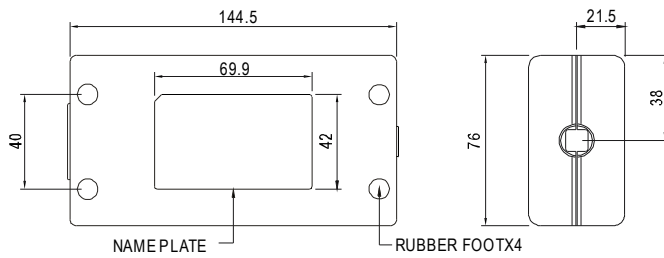
■ Mechanical Specification

Unit:mm



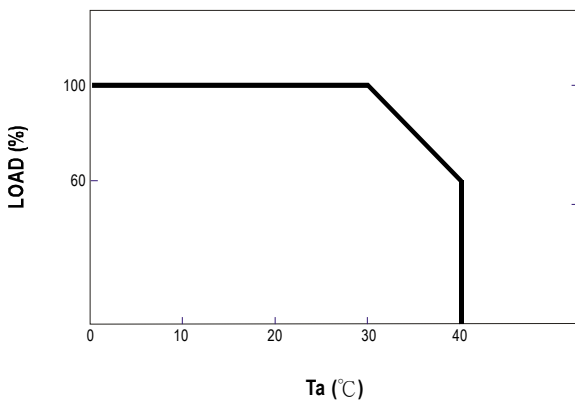
■ Plug Assignment

Standard plug: R1B (option)

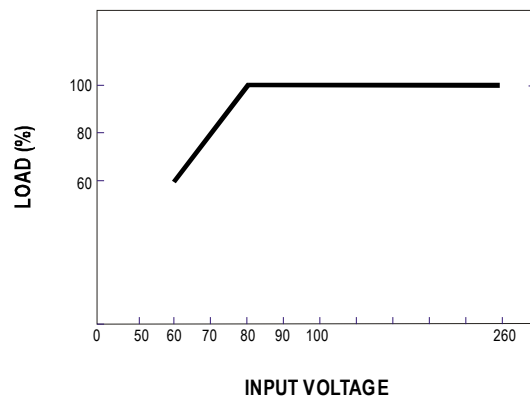


PIN NO	OUTPUT
1	COM
2	COM
3	+5VDC
4	-Vout
5	+Vout

■ Derating Curve



■ Static Characteristics



AMEYA360

Components Supply Platform

Authorized Distribution Brand :



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