



5 ~ 6W AC-DC Single Output Wall-mounted type

GS06U series



■ Features :

- Universal AC input / Full range
- No load power consumption <0.3W
- ErP step2 compliant
- Meet EISA 2007 (Energy Independence and Security Act)
- 2 pole USA plug
- Class II power (without earth pin)
- Protections: Short circuit / Overload / Over voltage
- Pass LPS
- Fully enclosed plastic case
- Approvals: UL / CUL / CB / FCC / CE
- 2 years warranty

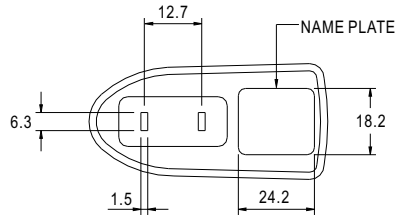


SPECIFICATION

ORDER NO.		GS06U-1P1J	GS06U-11P1J	GS06U-2P1J	GS06U-3P1J	GS06U-4P1J	GS06U-5P1J	GS06U-6P1J	GS06U-8P1J
OUTPUT	SAFETY MODEL NO.	GPSU06U-1	GPSU06U-1-1	GPSU06U-2	GPSU06U-3	GPSU06U-4	GPSU06U-5	GPSU06U-6	GPSU06U-8
	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	18V	24V	48V
	RATED CURRENT	1.00A	0.8A	0.66A	0.5A	0.4A	0.33A	0.25A	0.125A
	CURRENT RANGE	0 ~ 1.00A	0 ~ 0.8A	0 ~ 0.66A	0 ~ 0.5A	0 ~ 0.4A	0 ~ 0.33A	0 ~ 0.25A	0 ~ 0.125A
	RATED POWER	5W	6W	6W	6W	6W	6W	6W	6W
	RIPPLE & NOISE (max.) Note.3	50mVp-p	80mVp-p	80mVp-p	100mVp-p	120mVp-p	150mVp-p	180mVp-p	200mVp-p
	VOLTAGE ADJ. RANGE	5 ~ 6V	6 ~ 8V	8 ~ 11V	11 ~ 13V	13 ~ 16V	16 ~ 21V	21 ~ 27V	33 ~ 48V
	VOLTAGE ADJ. RANGE	Fixed							
	VOLTAGE TOLERANCE Note.4	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%
	LINE REGULATION Note.5	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%	±0.5%
INPUT	LOAD REGULATION Note.6	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%
	SETUP, RISE, HOLD UP TIME	1000ms, 50ms, 12ms at full load							
	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC							
	FREQUENCY RANGE	47 ~ 63Hz							
	EFFICIENCY (Typ.) Note.7	68%	74%	75%	77%	78%	78%	82%	84%
	AC CURRENT	0.2A / 100VAC							
PROTECTION	INRUSH CURRENT (max.)	50A / 230VAC							
	LEAKAGE CURRENT(max.)	0.25mA / 240VAC							
	OVERLOAD	>105% rated output voltage power for 5V ; >110% rated output power for 7.5 ~ 48V Protection type : Hiccup mode, recovers automatically after fault condition is removed							
ENVIRONMENT	OVER VOLTAGE	>120% rated output voltage Protection type : Clamp by zener diode							
	WORKING TEMP.	0 ~ +40°C (Refer to "Derating Curve")							
	WORKING HUMIDITY	20% ~ 90% RH non-condensing							
SAFETY & EMC (Note. 8)	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							
OTHERS	SAFETY STANDARDS	UL60950-1, CSA22.2 approved							
	WITHSTAND VOLTAGE	I/P-O/P:4242VDC							
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH							
	EMC EMISSION	Compliance to EN55022, EN61000-3-2,3, FCC part 15 Class B							
CONNECTOR	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11, light industry level, criteria A							
	MTBF	500Khrs min. MIL-HDBK-217F(25°C)							
	DIMENSION	32*66*42.5mm (L*W*H)							
NOTE	PACKING	100g ; 110pcs / 12Kg / CARTON							
	PLUG	Standard type P1J: 2.1φ * 5.5φ * 11mm, turning fork type center positive for stock ; Other type available by customer requested							
NOTE	CABLE	Standard type 20Awg UL1185 6ft for stock ; Other type available by customer requested							
	NOTE	1.All parameters are specified at 115VAC 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 0% to 100% rated load 7.Efficiency is measured at 115VAC. 8.The power supply is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives.							

Mechanical Specification

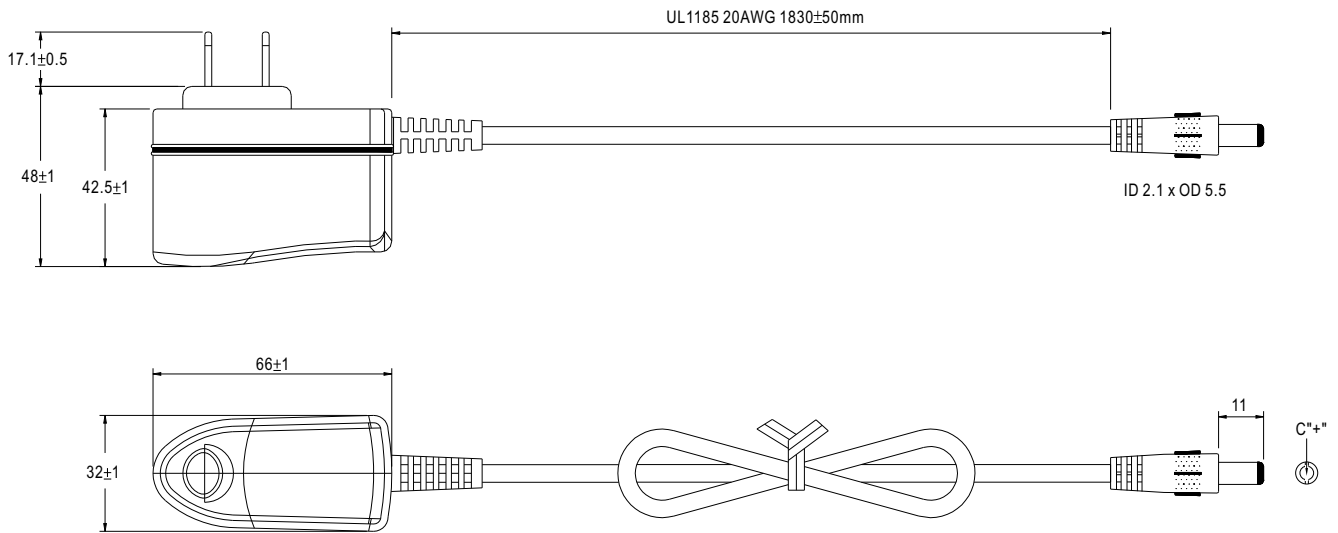
Unit:mm



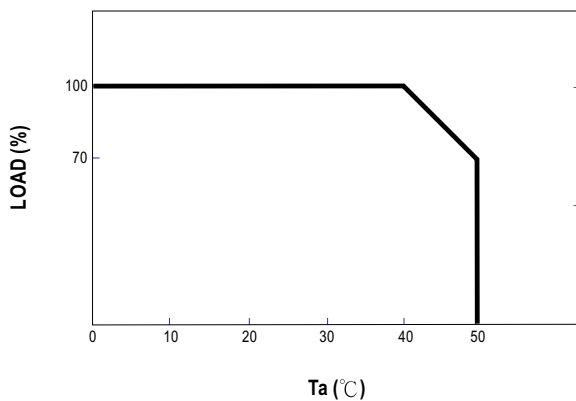
Plug Assignment

Standard plug: P1J

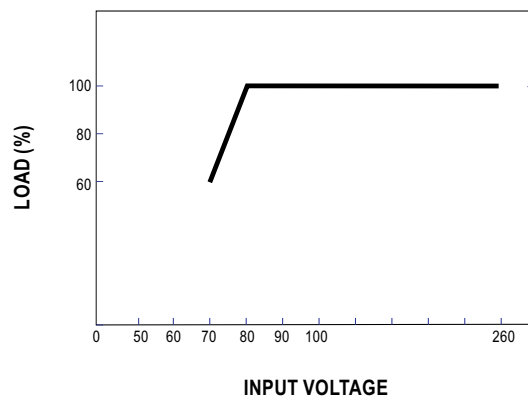
P1J	
P/N	OUTPUT
CENTER	+



Derating Curve



Static Characteristics



Mouser Electronics

Authorized Distributor

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[GS06U-5P1J](#)