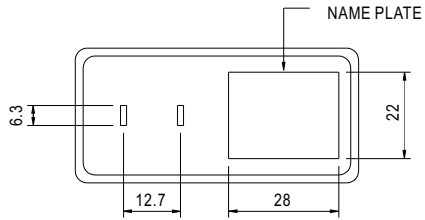■ Features :

- 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

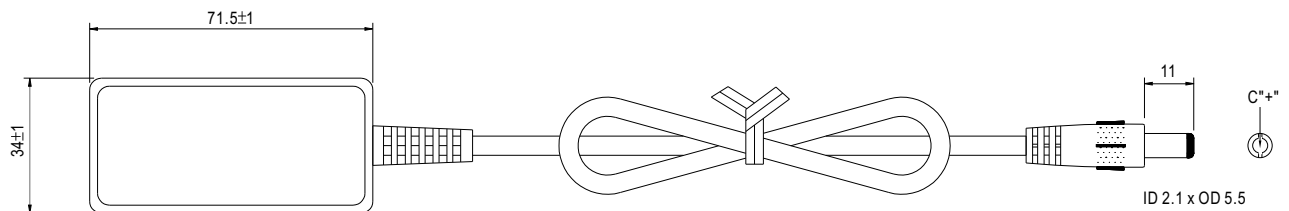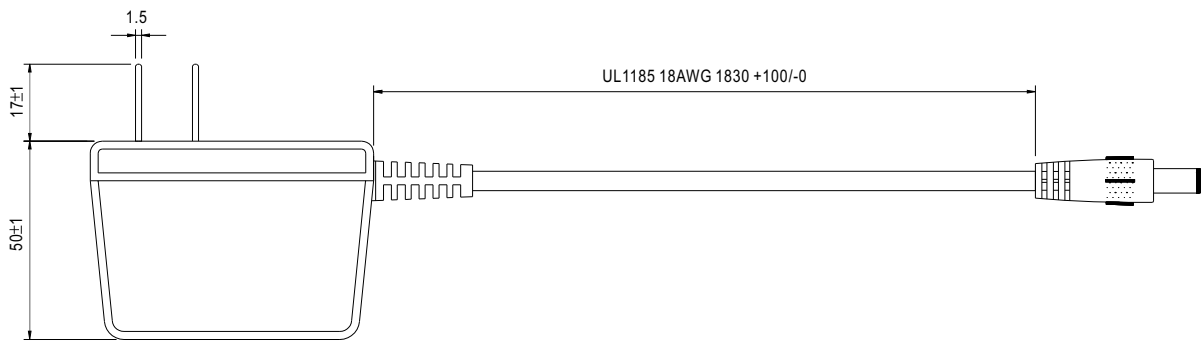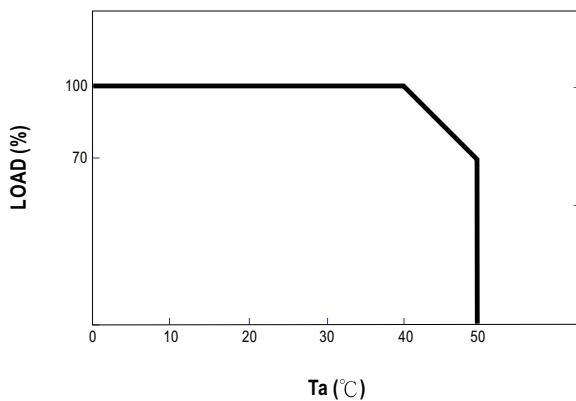| ORDER NO.			GS15U-1P1J	GS15U-11P1J	GS15U-2P1J	GS15U-3P1J	GS15U-4P1J	GS15U-5P1J	GS15U-6P1J	GS15U-8P1J
OUTPUT	SAFETY MODEL NO.		GPSU15U-1	GPSU15U-1-1	GPSU15U-2	GPSU15U-3	GPSU15U-4	GPSU15U-5	GPSU15U-6	GPSU15U-8
	DC VOLTAGE	Note.2	5V	7.5V	9V	12V	15V	18V	24V	48V
	RATED CURRENT		2.40A	1.60A	1.66A	1.25A	1.00A	0.83A	0.62A	0.31A
	CURRENT RANGE		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		12W	12W	15W	15W	15W	15W	15W	15W
	RIPPLE & NOISE (max.) Note.3		50mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p	120mVp-p	150mVp-p	240mVp-p
	VOLTAGE ADJ. RANGE		5~6V	6~8V	8~11V	11~13V	13~16V	16~21V	21~27V	33~48V
			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%
	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		3000ms, 50ms, 16ms at full load							
INPUT	VOLTAGE RANGE		90 ~ 264VAC 135 ~ 370VDC							
	FREQUENCY RANGE		47 ~ 63Hz							
	EFFICIENCY (Typ.) Note.7		75%	78%	80%	80%	80%	81%	83%	85%
	AC CURRENT		0.5A / 100VAC							
	INRUSH CURRENT (max.)		50A / 230VAC							
	LEAKAGE CURRENT(max.)		0.25mA / 240VAC							
PROTECTION	OVERLOAD		105 ~ 250% rated output power							
			Protection type : Hiccup mode, recovers automatically after fault condition is removed							
	OVER VOLTAGE		>120% rated output voltage							
			Protection type : Clamp by zener diode							
ENVIRONMENT	WORKING TEMP.		0 ~ +50℃ (Refer to "Derating Curve")							
	WORKING HUMIDITY		20% ~ 90% RH non-condensing							
	STORAGE TEMP., HUMIDITY		-20 ~ +85℃, 10 ~ 95% RH							
	TEMP. COEFFICIENT		±0.03% / ℃ (0 ~ 50℃)							
	VIBRATION		10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes							
SAFETY & EMC (Note. 8)	SAFETY STANDARDS		UL60950-1, CSA22.2 approved							
	WITHSTAND VOLTAGE		I/P-O/P:3KVAC							
	ISOLATION RESISTANCE		I/P-O/P:100M Ohms / 500VDC / 25℃ / 70% RH							
	EMC EMISSION		Compliance to EN55022, EN61000-3-2,3, FCC part 15 Class B							
	EMC IMMUNITY		Compliance to EN61000-4-2,3,4,5,6,11, light industry level, criteria A							
OTHERS	MTBF		500Khrs min. MIL-HDBK-217F(25℃)							
	DIMENSION		34*71*50mm (L*W*H)							
	PACKING		150g ; 84pcs / 14Kg / CARTON							
CONNECTOR	PLUG		Standard type P1J: 2.1φ * 5.5φ * 11mm, tuning fork type center positive for stock ; Other type available by customer requested							
	CABLE		Standard type 18Awg UL1185 6ft and 5ft for 3.3V output only for stock ; Other type available by customer requested							
NOTE			1.All parameters are specified at 115VAC 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.Efficiency is measured at 115VAC. 8.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

NAME PLATE

6.3

22

12.7   28

1.5

17±1

50±1

UL1185 18AWG 1830 +100/-0

■ Plug Assignment

Standard plug: P1J

P1J	
P/N	**OUTPUT**
CENTER	+

71.5±1

34±1

11

C"+"

ID 2.1 x OD 5.5

■ Derating Curve

LOAD (%)

100

70

0   10   20   30   40   50

Ta (℃)

■ Static Characteristics

LOAD (%)

100

80

60

0   50   70 80 90 100   260

INPUT VOLTAGE

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Mean Well](#):
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[GS15U-6P1J](#)