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7.2~15W AC-DC Single Output Wall-mounted type

GS15E series



Features :

- Universal AC input / Full range
- No load power consumption <0.5W
- Meet energy star level IV(CEC) for 5 ~ 48V
- Meet EISA 2007 (Energy Independence and Security Act) for 5 ~ 48V
- 2 pole EURO plug
- Class II power (without earth pin)
- Full output 3~48V safety approval
- Protections: Short circuit / Overload / Over voltage
- Pass LPS
- Fully enclosed plastic case
- Approvals: TUV / CB / FCC / CE
- 2 years warranty

SPECIFICATION

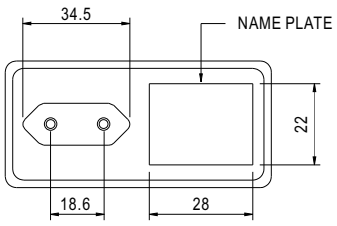
ORDER NO.		GS15E-0P1J	GS15E-1P1J	GS15E-11P1J	GS15E-2P1J	GS15E-3P1J	GS15E-4P1J	GS15E-5P1J	GS15E-6P1J	GS15E-8P1J
OUTPUT	SAFETY MODEL NO.	GPSU15E-0	GPSU15E-1	GPSU15E-1-1	GPSU15E-2	GPSU15E-3	GPSU15E-4	GPSU15E-5	GPSU15E-6	GPSU15E-8
	DC VOLTAGE Note.2	3.3V	5V	7.5V	9V	12V	15V	18V	24V	48V
	RATED CURRENT	2.18A	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	120mVp-p	150mVp-p	240mVp-p
	VOLTAGE ADJ. RANGE	3 ~ 5V	5 ~ 6V	6 ~ 8V	8 ~ 11V	11 ~ 13V	13 ~ 16V	16 ~ 21V	21 ~ 27V	33 ~ 48V
		Fixed								
	VOLTAGE TOLERANCE Note.4	±6.0%	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±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	±6.0%	±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	55%	65%	72%	74%	76%	77%	78%	80%	81%
	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 output load 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, EN60950-1 approved								
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC								
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25℃/ 70% RH								
	EMI CONDUCTION & RADIATION	Compliance to EN55022 class B, FCC part 15 Class B								
	HARMONIC CURRENT	Compliance to EN61000-3-2,3								
	EMS 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	180g ; 60pcs / 12Kg / 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 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.Efficiency is measured at 230VAC.
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

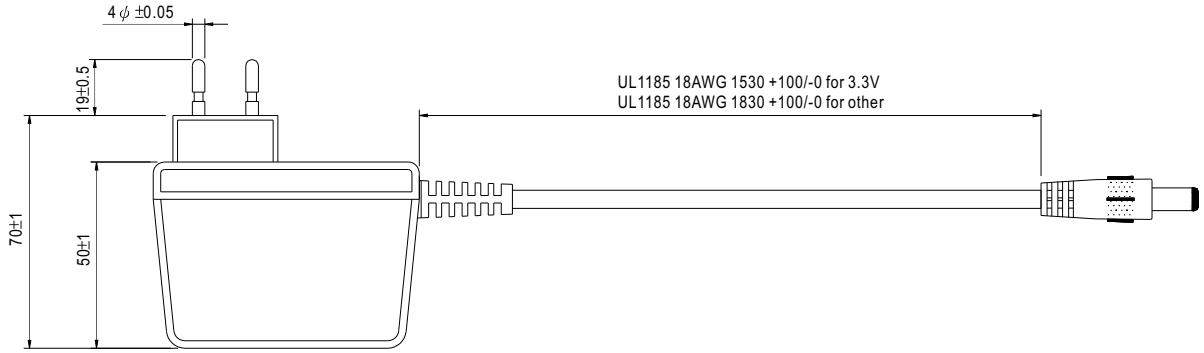
Unit:mm

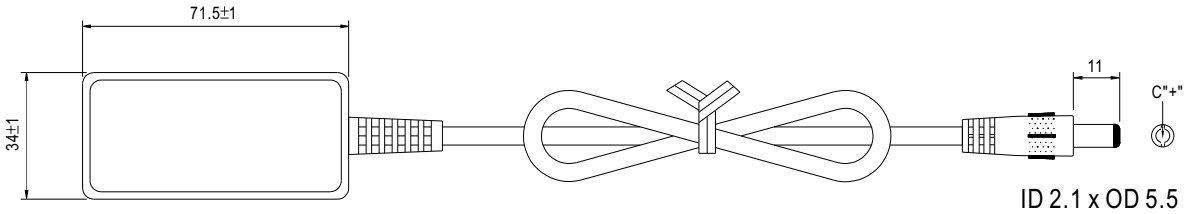


■ Plug Assignment

Standard plug: P1J (option)

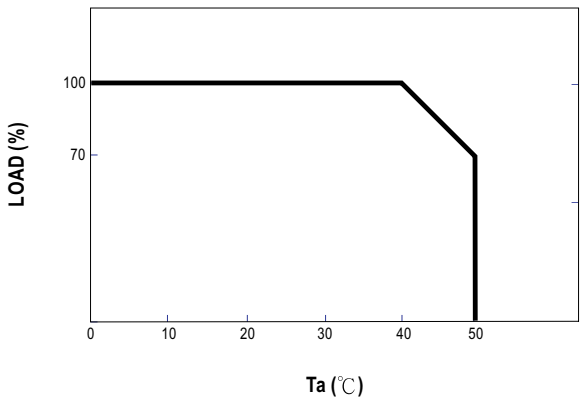
P1J	
P/N	OUTPUT
CENTER	+





ID 2.1 x OD 5.5

■ Derating Curve



■ Static Characteristics

