



EN: This Datasheet/Document is presented by the manufacturer.

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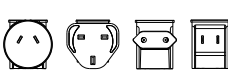


■ Features :

- Interchangeable AC plugs (plug kit sold separately)
- Universal AC input / Full range
- No load power consumption < 0.3W
- ErP step2 compliant
- Meet EISA 2007 (Energy Independence and Security Act) for 5~48V
- Class II power (without earth pin)
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- LED indicator for power on
- Pass LPS
- Approvals: UL / CUL / TUV / CCC / CB / FCC / CE / C-Tick
- 2 years warranty



AC INLET PLUG

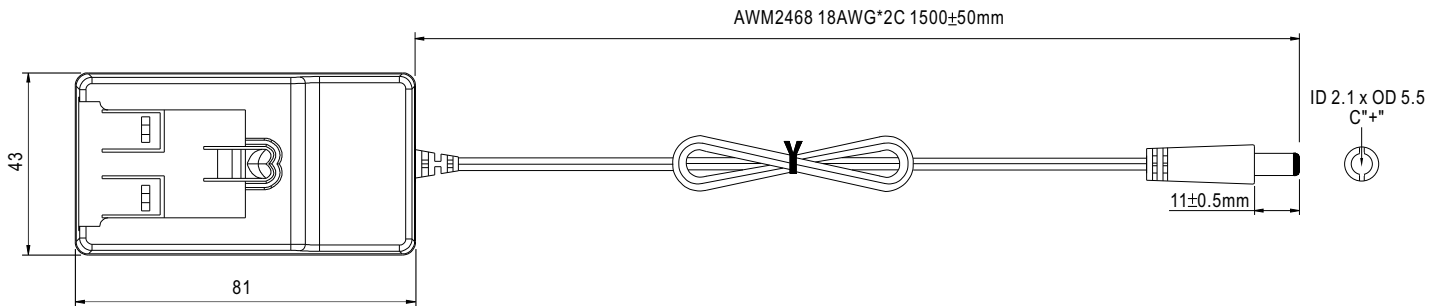
TYPE					
	Australian type	U.K type	European type	US type	Mix four type
ORDER NO.	AC plug-AU	AC plug-UK	AC plug-EU	AC plug-US	AC plug-MIX

SPECIFICATION

POWER SUPPLY MAIN BODY ORDER NO.		GE24I05-P1J	GE24I07-P1J	GE24I09-P1J	GE24I12-P1J	GE24I15-P1J	GE24I18-P1J	GE24I24-P1J	GE24I48-P1J
OUTPUT	SAFETY MODEL NO.	FRA024-S05-I	FRA024-S07-I	FRA024-S09-I	FRA024-S12-I	FRA024-S15-I	FRA024-S18-I	FRA024-S24-I	FRA024-S48-I
	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	18V	24V	48V
	RATED CURRENT	3.0A	2.0A	2.22A	2.0A	1.6A	1.33A	1.0A	0.5A
	CURRENT RANGE	0 ~ 3.0A	0 ~ 2.0A	0 ~ 2.22A	0 ~ 2.0A	0 ~ 1.6A	0 ~ 1.33A	0 ~ 1.0A	0 ~ 0.5A
	RATED POWER (max.)	15W	15W	20W	24W	24W	24W	24W	24W
	RIPPLE & NOISE (max.) Note.3	50mVp-p	75mVp-p	100mVp-p	120mVp-p	150mVp-p	180mVp-p	240mVp-p	300mVp-p
	VOLTAGE TOLERANCE Note.4	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±3.0%	±3.0%
	LINE REGULATION Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LOAD REGULATION Note.6	±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±3.0%	±3.0%
SETUP, RISE, HOLD UP TIME		4000ms, 100ms, 30ms / 230VAC 4000ms, 100ms, 10ms / 115VAC at full load							
INPUT	VOLTAGE RANGE	90 ~ 264VAC 135 ~ 370VDC							
	FREQUENCY RANGE	47 ~ 63Hz							
	EFFICIENCY (Typ.)	76.5%	79.5%	81.5%	82.5%	84%	84%	85%	85%
	AC CURRENT	0.7A / 100VAC 0.4A / 230VAC							
	INRUSH CURRENT (max.)	COLD START 40A / 100VAC 80A / 230VAC							
	LEAKAGE CURRENT (max.)	0.25mA / 240VAC							
PROTECTION	OVERLOAD	110% ~ 200% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed							
	OVER VOLTAGE	115% ~ 135% Protection type : Clamp by zener diode							
ENVIRONMENT	WORKING TEMP.	-10 ~ +50°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)							
SAFETY & EMC	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes							
	SAFETY STANDARDS	UL60950-1, CSA C22.2, TUV EN60950 -1, CCC GB4943 approved							
	WITHSTAND VOLTAGE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH							
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH							
	EMC EMISSION	Compliance to EN55022, EN61000-3-2,3, FCC part15, GB9254 class B							
OTHERS	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A							
	LIFE	2 years : 100% load 30°C, 8 hours / day							
	MTBF	100Khrs min. MIL-HDBK-217F (25°C)							
	DIMENSION	81*43*40.5mm (L*W*H)							
DC OUTPUT CONNECTOR	PACKING	134g / 60pcs / 12.32kg / 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	See page2							
		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 10% to 100% rated load 7.Main body unit and AC inlet plug should be ordered separately ; it needs to be used along with any of the AC inlet plug.							

Mechanical Specification

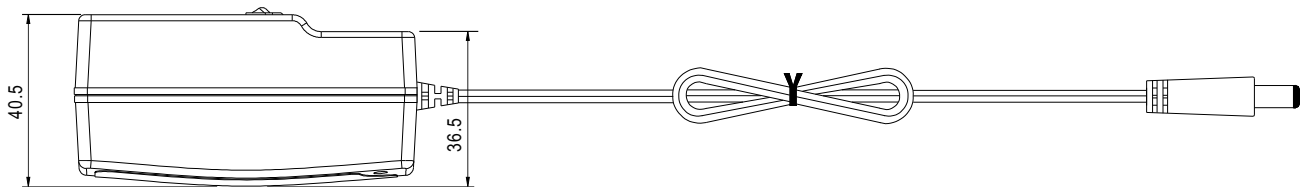
Unit:mm



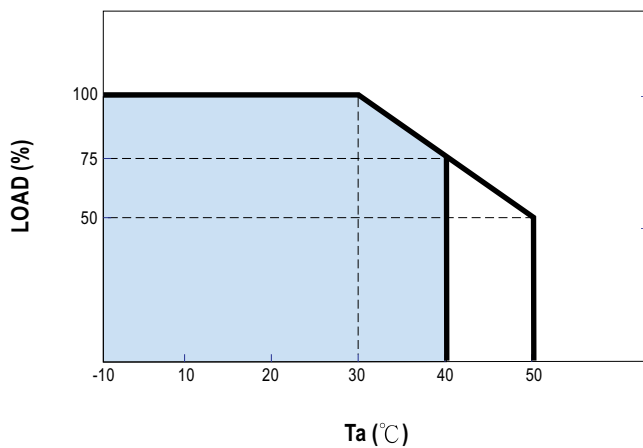
Plug Assignment

Standard plug: P1J

P1J	
P/N	OUTPUT
CENTER	+



Derating Curve



Static Characteristics

