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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Features

- · Global certificates
- · Universal AC input / Full range
- 2 pole EURO plug, Class II power unit
- No load power consumption < 0.075W
- · Energy efficiency Level VI
- Comply with EU ErP and CoC Version 5
- · Protections: Short circuit / Overload / Over voltage
- · Fully enclosed plastic case
- · Pass LPS
- -30~+70°C wide range working temperature
- LED indicator for power on
- 3 years warranty

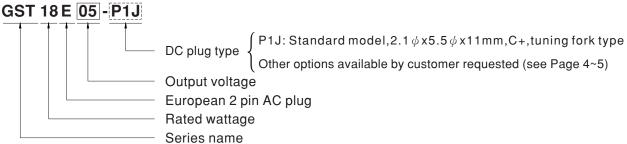
Applications

- · Consumer electronic devices
- · Telecommunication devices
- · Office facilities
- · Industrial equipments

Description

GST18E is a highly reliable, 18W wall-mounted style single-output green adaptor series. This product is a class ${
m II}$ power unit (no FG), equipped with a 2-Pin standard European AC power plug, adopting the input range from 85VAC to 264VAC. The entire series supplies different models with output voltages ranging between 5VDC and 48VDC that can satisfy the demands for various types of consumer electronic devices. With the efficiency up to 89% and the extremely low no-load power consumption below 0.075W, GST18E is compliant with EU ErP, and Code of Conduct(CoC) Version 5 . The supreme feature allows the adaptor to save the energy when it is either under the operating mode or the standby mode. The entire series utilizes the 94V-0 flame retardant plastic case, providing the double insulation that effectively prevents electrical shock.GST18E is certified for the international safety regulations.

Model Encoding

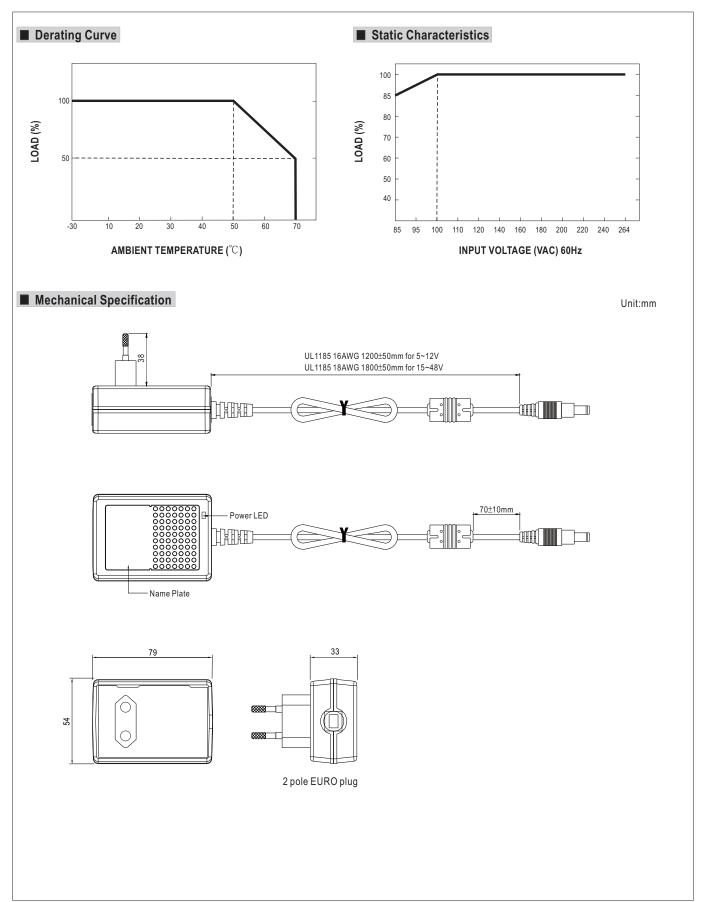




SPECIFICATION

ORDER NO	•	GST18E05-P1J	GST18E07-P1J	GST18E09-P1J	GST18E12-P1J	GST18E15-P1J	GST18E18-P1J	GST18E24-P1J	GST18E28-P1J	GST18E48-P1J
	SAFETY MODEL NO.	GST18E05	GST18E07	GST18E09	GST18E12	GST18E15	GST18E18	GST18E24	GST18E28	GST18E48
ОИТРИТ	DC VOLTAGE Note.2	5V	7.5V	9V	12V	15V	18V	24V	28V	48V
	RATED CURRENT	3.0A	2.0A	2.0A	1.50A	1.20A	1.0A	0.75A	0.64A	0.375A
	CURRENT RANGE	0 ~ 3.0A	0 ~ 2.0A	0 ~2.0A	0 ~ 1.50A	0 ~ 1.20A	0 ~ 1.0A	0 ~ 0.75A	0 ~ 0.64A	0 ~ 0.375A
	RATED POWER (max.)	15W	15W	18W	18W	18W	18W	18W	18W	18W
	RIPPLE & NOISE (max.) Note.3	80mVp-p	80mVp-p	80mVp-p	80mVp-p	100mVp-p	150mVp-p	150mVp-p	150mVp-p	150mVp-p
	VOLTAGE TOLERANCE Note.4		±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%
		±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
		±5.0%	±5.0%	±5.0%	±3.0%	±3.0%	±3.0%	±2.0%	±2.0%	±2.0%
	SETUP, RISE, HOLD UP TIME	1000ms, 30ms	s, 50ms/230VA	C 1500m	s, 30ms, 15ms	/115VAC at ful	load			
		85 ~ 264VAC								
	FREQUENCY RANGE	47 ~ 63Hz	47 ~ 63Hz							
	EFFICIENCY (Typ.)	81%	85%	85%	86%	87%	88%	88%	88.5%	89%
INPUT	AC CURRENT	0.5A / 115VAC	0.3A/23	0VAC						
	INRUSH CURRENT (max.)	Cold start 35A / 115VAC 65A / 230VAC								
	LEAKAGE CURRENT(max.)	0.25mA / 240	0.25mA / 240VAC							
		110 ~ 150% r	ated output pov	wer						
PROTECTION	OVERLOAD	110 ~ 150% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed								
		110 ~ 140% rated output voltage								
	OVER VOLTAGE	Protection type: Clamp by zener diode, output short								
	WORKING TEMP.		Refer to "Derat							
ENVIRONMENT	WORKING HUMIDITY	20% ~ 90% R	20% ~ 90% RH non-condensing							
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C,	10 ~ 95% RH n	on-condensing	1					
	TEMP. COEFFICIENT		±0.03% / °C (0~50°C)							
	VIBRATION	10 ~ 500Hz, 2	G 10min./1cyc	le, period for 6	0min. each alo	ng X, Y, Z axes				
	SAFETY STANDARDS Note. 8	TUV EN60950-1, EAC TP TC 004 approved; SIRIM MS IEC60950-1 (optional) approved								
	WITHSTAND VOLTAGE	I/P-O/P:4242\	/DC							
	ISOLATION RESISTANCE	I/P-O/P:100M	Ohms / 500VD	C / 25°C / 70%	RH					
		Parameter Standard Test Level / Note								
	EMC EMISSION	Conducted emission EN55032(CISPR32), EAC TP TC 020 Class B								
		Radiated emis	ssion	EN550	32(CISPR32)	, EAC TP TC (20 Class	Class B		
CAFFTVO		Harmonic curi	ent	EN610	100-3-2		Clas	Class A		
SAFETY & EMC		Voltage flicker			100-3-3					
(Note. 9)		Parameter		Standa			Tost	Test Level /Note		
, ,	EMC IMMUNITY	ESD								
			ntihilitu		00-4-2			Level 3, 8KV air; Level 2, 4KV contact		
		RF field susce	publity	EN610				Level 2, 3V/m		
		EFT bursts			100-4-4			Level 2, 1KV		
		Surge suscep		EN610	00-4-5		Lev	Level 4, 2KV/Line-Line		
		Conducted su	sceptibility	EN610	00-4-6		Lev	Level 2, 3V		
		Magnetic field	immunity	EN610	00-4-8		Lev	Level 2, 3A/m		
		Voltage dips,	interruption	EN610	000-4-11			>95% dip 0. 5 periods, 30% dip 25 periods, >95% interruptions 250 periods		
OTHERS	MTBF	500Khrs min. MIL-HDBK-217F(25°C)								
	DIMENSION	79*54*33mm (L*W*H)								
	PACKING	202.5g; 60pcs/13.2Kg/1.22CUFT								
CONNECTOR	PLUG	See page 4~5; Other type available by customer requested								
	CABLE	See page 4~5	; Other type a	vailable by cus	tomer requeste	ed				
NOTE	2.DC voltage: The output volt 3.Ripple & noise are measure 4.Tolerance: includes set up t 5.Line regulation is measure 6.Load regulation is measure 7.Derating may be needed up 8.The demand for Malaysia s 9.The power supply is consid	d at 230VAC input, rated load, 25°C 70% RH ambient. age set at point measure by plug terminal & 50% load. ad at 20MHz by using a 12" twisted pair terminated with a 0.1μf & 47μf capacitor. tolerance, line regulation, load regulation. I from low line to high line at rated load. I from low from 10% to 100% rated load. I der low input voltage. Please check the derating curve for more details. I afety is processed with the order no. GST18E —-SIRIM by request. Please contact MEAN WELL for details. I ered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the ce on how to perform these EMC tests, please refer to "EMI testing of component power supplies." meanwell.com)								

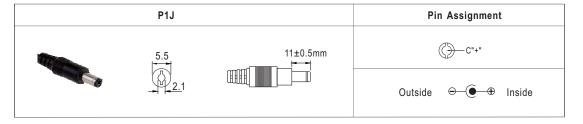






■ DC output plug

O Standard plug: P1J



Optional DC plug:

Tunin a F	T NI -	А	В	С	
Tuning F	Type No.	OD	ID	L	
	C	P1I	5.5	2.1	9.5
		P1L	5.5	2.5	9.5
I -A-I	(Straight)	P1M	5.5	2.5	11.0
A B	C	P1IR	5.5	2.1	9.5
→ M-P		P1JR	5.5	2.1	11.0
	(Dialet analod)	P1LR	5.5	2.5	9.5
	(Right-angled)	P1MR	5.5	2.5	11.0
Barro	Type No.	А	В	С	
Dan	7.	OD	ID	L	
	C_	P2I	5.5	2.1	9.5
		P2J	5.5	2.1	11.0
Δ.		P2L	5.5	2.5	9.5
A A B	(Straight)	P2M	5.5	2.5	11.0
Ув.	C (Binkt analyt)	P2IR	5.5	2.1	9.5
		P2JR	5.5	2.1	11.0
		P2LR	5.5	2.5	9.5
	(Right-angled)	P2MR	5.5	2.5	11.0
Lool	Type No.	Α	В	С	
LOCK	Style	7.	OD	ID	L
. A .	Locking C	P2S(S761K)	5.53	2.03	12.06
		P2K(761K)	5.53	2.54	12.06
B	SWITCHCRAFT original or equivalent		5.53	2.03	9.52
	P2D(760K)	5.53	2.54	9.52	
Min. Pi	Type No.	А	В	С	
101111.1	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	OD	ID	L	
,A.	C _	P3A	2.35	0.7	11.0
		P3B	4.0	1.7	11.0
——————————————————————————————————————	EIAJ equivalent	P3C	4.75	1.7	11.0



Center Pin Style	Type No.	A OD	В	С	D Center Pin	
Α . C .	P4A	5.5	3.4	11.0	1.0	
	P4B	6.5	4.4	11.0	1.4	
EIAJ equivalent	P4C	7.4		5.1 11.0 0.6		
Min. DIN 3 Pin with Lock (male)	Type No.	Pin Assignment				
,	• • • • • • • • • • • • • • • • • • • •	PIN No).	Output		
	R6B	1	+Vo			
		2	-Vo			
S KYCON KPPX-3P equivalent		3		+Vo		
M: BM (B: 111 1 ())	T N	Pin Assignment				
Min. DIN 4 Pin with Lock (male)	Type No.	PIN No). <u> </u>	Output		
Innn Inn		1		+Vo		
	R7B	2		-Vo		
KYCON KPPX-4P equivalent	I I I	3		-Vo		
KTCON KFFX-4F equivalent		4		+Vo		
Min. DIN 4 Pin with Lock (female)	Type No.	Pin Assignment				
Will. DIN 4 Fill With Lock (lentale)		PIN No).	Outpu	t	
	R7BF	1		+Vo		
2 3 LINDULL LI		2		-Vo		
		3		-Vo		
KYCON KPJX-CM-4S equivalent		4 +Vo				
DIN 5 Pin (male)	Type No.			Assignment		
, ,	21	PIN No).	Outpu	IT	
	R1B	1		-Vo		
		3		-Vo +Vo		
4 2 5		4		-Vo		
		5		+Vo		
	_	Pin Assignment				
Stripped and tinned leads	Type No.	PIN No				
L (red)	by customer	1		+V0		
L1 (black) Length of Land L1 by request (MW's standard length, L: <u>25</u> mm, L1: <u>5</u> mm)		2		-Vo		

■ Installation Manual

Please refer to : http://www.meanwell.com/manual.html