



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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**

- Universal AC input / Full range
- 3 pole AC inlet IEC320-C14, Class I power unit
- No load power consumption < 0.3W
- **Energy efficiency level VI**
- Comply with EISA 2007/DoE
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- -20 ~ +70°C working temperature
- LED indicator for power on
- Dual output available (optional)
- ± 16V /+48V also available for video system (optional, order NO. : GP25A58F-R1B)
- 3 years warranty

**Applications**

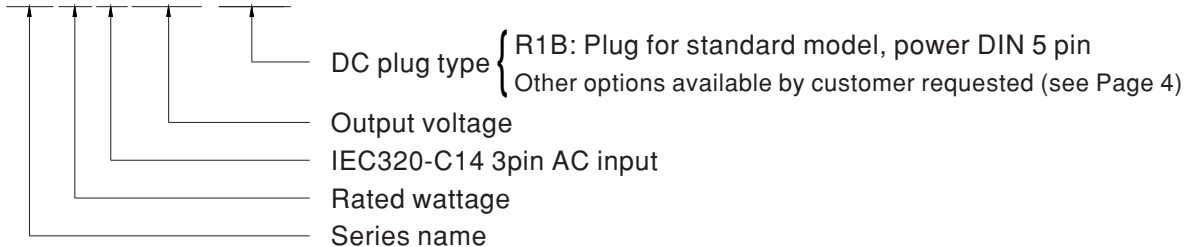
- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipments

**Description**

GP25A is a 25W triple-output desktop type green adaptor series, complying with the mandatory energy saving standard USA EISA 2007/DoE (Level VI). Adopting Class I design and utilizing the standard inlet IEC320-C14, it is designed with FG and uses the 94V-0 flame retardant plastic enclosure, which can effectively prevent electric shock hazards. This series operates from 90~264VAC and offers three models with the output voltage sets +5V/+12V/-5V, +5V/+12V/-12V and +5V/+15V/-15V. Its supreme advantages includes the less-than-0.3W no load power consumption, the capability of working under -20~+70°C ambient temperature, complete protection functions and three-year warranty and the compliance to the international safety certification such as CB, TUV, UL, CE and FCC. GP25A is a multiple-output green adaptor with high safety, high reliability and high quality.

**Model Encoding**

**GP25 A 13A -R1B**



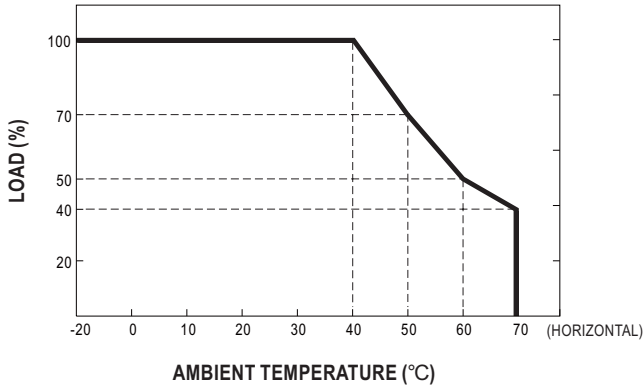




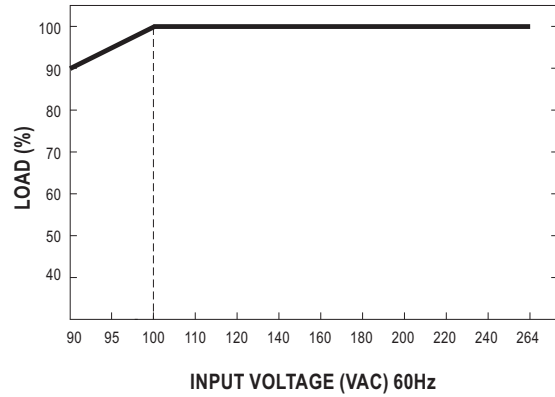
**SPECIFICATION**

ORDER NO.	GP25A13A-R1B	GP25A13D-R1B	GP25A14E-R1B		
<b>OUTPUT</b>	<b>SAFETY MODEL NO.</b>	GP25A13A	GP25A13D	GP25A14E	
	<b>DC VOLTAGE</b> Note.2	5V 12V -5V	5V 12V -12V	5V 15V -15V	
	<b>RATED SET CURRENT</b>	2.5A 1.2A 0.3A	2.5A 1A 0.3A	2.5A 0.8A 0.3A	
	<b>CURRENT RANGE</b>	0.5 ~ 2.5A 0.2 ~ 1.2A 0.1 ~ 0.3A	0.5 ~ 2.5A 0.2 ~ 1A 0.1 ~ 0.3A	0.5 ~ 2.5A 0.1 ~ 0.8A 0.1 ~ 0.3A	
	<b>RATED POWER</b>	28.5W	28W	29W	
	<b>RIPPLE &amp; NOISE (max.)</b> Note.3	50mVp-p 100mVp-p 50mVp-p	60mVp-p 120mVp-p 50mVp-p	100mVp-p 150mVp-p 50mVp-p	
	<b>VOLTAGE TOLERANCE</b> Note.4	±5.0% -5.0 ~ +10% ±3.0%	±5.0% -5.0 ~ +5.0% ±3.0%	±5.0% -5.0 ~ +15% ±3.0%	
	<b>LINE REGULATION</b> Note.5	±1.0% ±1.0% ±1.0%	±1.0% ±1.0% ±1.0%	±1.0% ±1.0% ±1.0%	
	<b>LOAD REGULATION</b> Note.6	±5.0% ±5.0% ±3.0%	±5.0% ±5.0% ±3.0%	±5.0% ±5.0% ±3.0%	
	<b>SETUP, RISE, HOLD UP TIME</b>	800ms, 50ms, 20ms / 230VAC 1200ms, 50ms, 16ms / 115VAC at full load			
<b>INPUT</b>	<b>VOLTAGE RANGE</b> Note.7	90 ~ 264VAC 135 ~ 370VDC			
	<b>FREQUENCY RANGE</b>	47 ~ 63Hz			
	<b>EFFICIENCY (Typ.)</b>	80%	80%	80.5%	
	<b>AC CURRENT</b>	0.8A / 100VAC 0.4A / 230VAC			
	<b>INRUSH CURRENT (max.)</b>	Cold start 30A / 115VAC 60A / 230VAC			
	<b>LEAKAGE CURRENT (max.)</b>	0.75mA / 240VAC			
<b>PROTECTION</b>	<b>OVERLOAD</b>	110 ~ 160% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed			
	<b>OVER VOLTAGE</b>	Protection type : Clamp by zener diode(5V only), output short			
<b>ENVIRONMENT</b>	<b>WORKING TEMP.</b>	-20 ~ +70°C (Refer to "Derating Curve")			
	<b>WORKING HUMIDITY</b>	20% ~ 90% RH non-condensing			
	<b>STORAGE TEMP., HUMIDITY</b>	-20 ~ +85°C, 10 ~ 95% RH non-condensing			
	<b>TEMP. COEFFICIENT</b>	±0.03% / °C (-20 ~ 40°C)			
	<b>VIBRATION</b>	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes			
<b>SAFETY &amp; EMC (Note. 8)</b>	<b>SAFETY STANDARDS</b>	IEC60950-1, UL60950-1, CSA22.2, EN60950-1, EAC TP TC 004 approved			
	<b>WITHSTAND VOLTAGE</b>	I/P-O/P:4242VDC, I/P-FG:2121VDC			
	<b>ISOLATION RESISTANCE</b>	I/P-O/P,I/P-FG:100M Ohms / 500VDC / 25°C / 70% RH			
	<b>EMC EMISSION</b>	<b>Parameter</b>	<b>Standard</b>	<b>Test Level / Note</b>	
		Conducted emission	EN55032(CISPR32),FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B)	Class B	
		Radiated emission	EN55032(CISPR32),FCC PART 15 / CISPR22, CAN ICES-3(B)/NMB-3(B)	Class B	
		Harmonic current	EN61000-3-2	Class A	
	<b>EMC IMMUNITY</b>	Voltage flicker	EN61000-3-3	-----	
		<b>Parameter</b>	<b>Standard</b>	<b>Test Level / Note</b>	
		ESD	EN61000-4-2	Level 3, 8KV air; Level 2, 4KV contact	
RF field susceptibility		EN61000-4-3	Level 2, 3V/m		
EFT bursts		EN61000-4-4	Level 2, 1KV		
Surge susceptibility		EN61000-4-5	Level 3, 1KV/L-N, 2KV/L,N-PE		
Conducted susceptibility		EN61000-4-6	Level 2, 3V		
Voltage dips, interruption	EN61000-4-11	>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods			
<b>OTHERS</b>	<b>LIFE</b>	3 years : 100% load 40°C, 8hours / day			
	<b>MTBF</b>	620K hrs min. MIL-HDBK-217F (25°C)			
	<b>DIMENSION</b>	107.5*67*36mm (L*W*H)			
	<b>PACKING</b>	0.3kg; 54pcs / 20kg / CARTON			
<b>CONNECTOR</b>	<b>PLUG</b>	See page 4			
	<b>CABLE</b>	See page 4			
<b>NOTE</b>	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 0.1µf & 47µf 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.When measured between the light load (20% of rated load) and full load, the load regulation is within ±5% whereas the cross regulation is within ±15%. 7.Derating may be needed under low input voltages. Please check the static characteristics for more details. 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. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." (as available on http://www.meanwell.com)				

Derating Curve

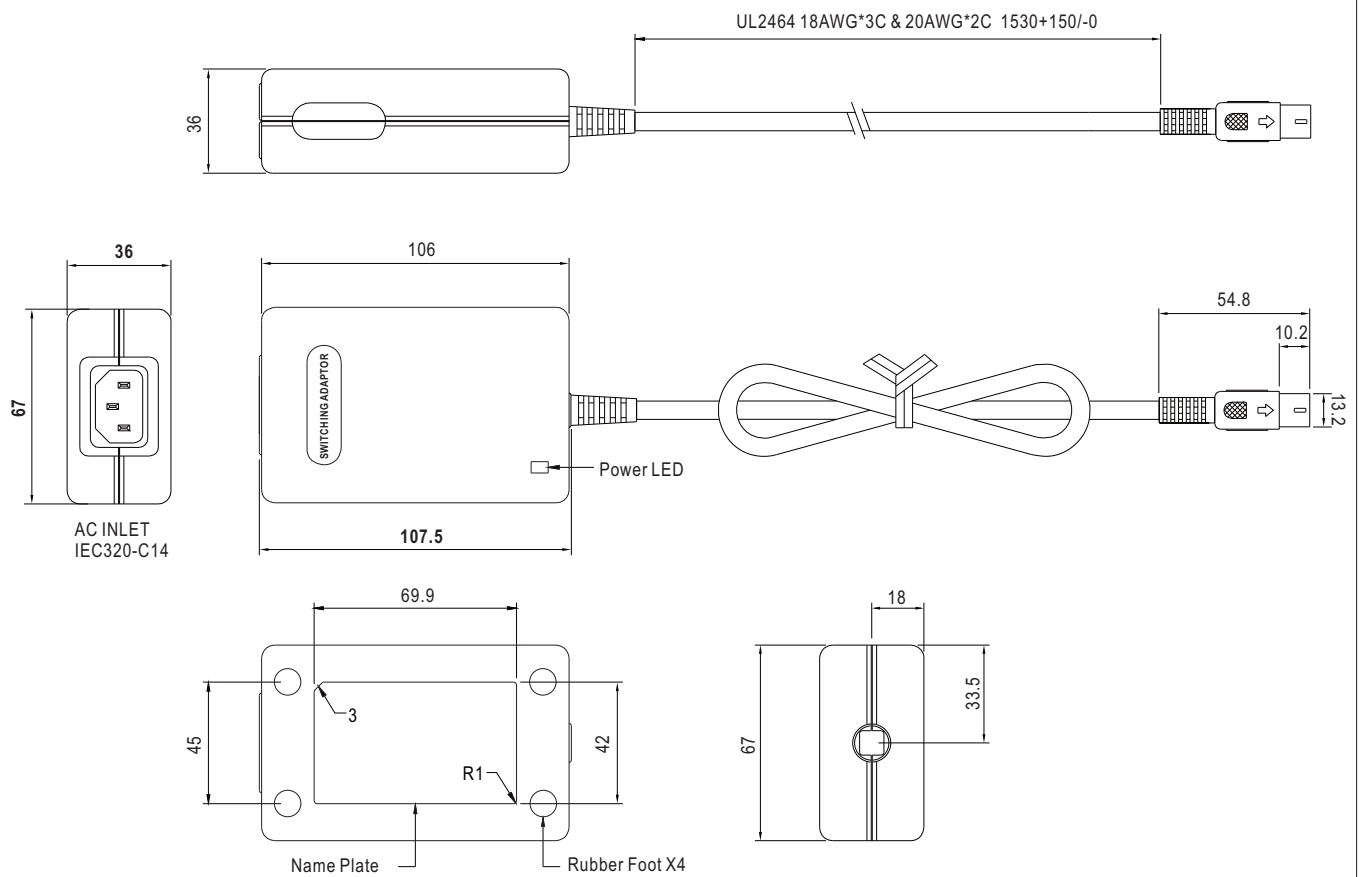


Static Characteristics



Mechanical Specification

Unit:mm



■ DC output plug

☉ Standard plug: R1B

DIN 5 Pin (male)	Type No.	Pin Assignment	
		PIN No.	Output
	R1B	1	COM
		2	COM
		3	+5VDC
		4	-Vout
		5	+Vout

☉ Optional DC plug:

Stripped and tinned leads	Type No.	Pin Assignment	
		PIN No.	Output
	by customer	1	COM
		2	COM
		3	+5VDC
		4	-Vout
		5	+Vout
		FG	FG

■ Installation Manual

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