





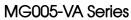
FEATURES

- Universal input Voltage: 90 264VAC, 50/60Hz
- DoE Level VI efficiency
- Over voltage, Over current, Short circuit protection
- Fully enclosed plastic case
- 2 pole Britain plug
- Small wall-mounted type

MG005-VA series is a small wall-mounted type adapter. This series features universal input voltage, low power consumption, high efficiency, high reliability, and safer isolation, meets IEC/EN61000-4, CISPR22/EN55032 and BS EN60950. The entire series supplies different models with output voltages range between 3V and 15V that can satisfy the demands for the various types of consumer electronic devices, telecommunication devices, office and civil applications devices.

	pecifications Model	MG00503VA	MG00505VA	MG00509VA	MG00512VA	MG00515VA	
Output	DC Voltage	3V	5V	9V	12V	15V	
	Rated Current	1.0A	1.0A	0.5A	0.5A	0.4A	
	Current Range	0-1.0A	0-1.0A	0-0.5A	0-0.5A	0-0.4A	
	Rated Power	3.0W	5.0W	4.5W	6.0W	6.0W	
	Voltage Accuracy	±7%	±5%	±5%	±5%	±5%	
	Line Regulation	±1%	±1%	±1%	±1%	±1%	
	Load Regulation	±5%	±5%	±5%	±5%	±5%	
	Ripple &Noise*	120mVp-p max	120mVp-p max	120mVp-p max	120mVp-p max	150mVp-p max	
	Start-up Time	3s@100-240VAC, full load					
	Hold-up Time	10ms@115VAC, full load, 20ms@230VAC, full load					
	Rise Time	80ms max					
	Overshoot/	±10%					
	Transient response	Output voltage range ±5%, load 25%-50%, 50%-75%, slope: 0.5A/us, frequency: 50Hz-10KHz					
	Input Voltage	90 - 264VAC					
	Input Frequency	47 - 63Hz					
	Efficiency(Typ.)	64.33%(ERP V)	73.62%	77.05%	78.88%	78.88%	
nput	Input Current	0.15A Max@100VAC, full load					
	Inrush Current	Cold start: 30A/230VAC					
	No Load Power	<0.1W					
	Leakage Current	0.25mA Max@240VAC					
Protections	Over Voltage	Rated output voltage 110%-150%					
	Over Current	Rated output current 110%-200%, self-recovery					
	Short Circuit	Hiccup, continuous, self-recovery					
Note	* Ripple and noise are measured by 20MHz bandwidth; at full load, 100-240VAC input, output terminated with a 0.1uF ceramic capacitor and a 10uF electrolytic capacitor.						

5W AC/DC Adapter





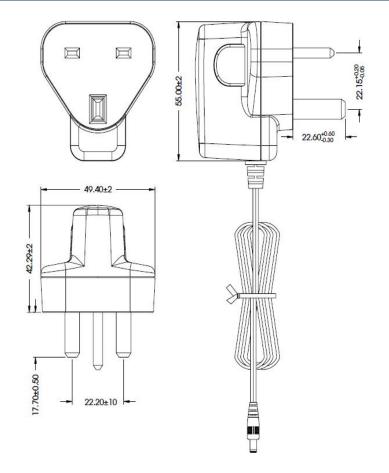
General Specifications					
Item	Operating Conditions	Min.	Тур.	Max.	Unit
Isolation Voltage	Input-output, test 1 minute, leakage current<5mA	3000	-		VAC
Insulation Resistance	Input-output, add 500Vdc test voltage	100			M Ω
Operating Temperature		-10		40	°C
Storage Temperature		-25		70	
Operating Humidity				90	0/ 10/ 1
Storage Humidity				95	%RH
Altitude				2000	m
Lifetime	25 ℃	2			years
MTBF	MIL-HDBK-217F (25°C)	50000			hours

Physical Specifications		
Casing Material	PC,120°C 94V-0	
Color	Black/White(Other color can be designed by customization)	
Dimension	(L)55.00mm x (W)49.40mm x (H)42.29mm	
Weight	62g (Typ.)	
Cooling Method	Free air convection	

EMC Specifications				
EMI	RE	EN55032, CLASS B		
	CE	EN55032, CLASS B		
EMS	ESD(MAX)	IEC/EN61000-4-2 Contact ±8KV/Air ±15KV	perf. Criteria B	
	RS	IEC61000-4-3 3V/m	perf. Criteria A	
	CS	IEC61000-4-6 3Vrms	perf. Criteria A	
	Surge(MAX)	IEC/EN61000-4-5 ±2KV/ ±2KV	perf. Criteria B	
Note: Stando	ard ESD contact ±4KV/A	ir ±8KV, surge ±1KV/ ±1KV.		

Safety Standards				
Application Fields	Standard	Status	Note	
IT	BS EN60950	Approved		
AV	BS EN60065	Meet		
Home Appliances	BS EN61558-2-16	Meet		
Lighting	BS EN61347	Meet		

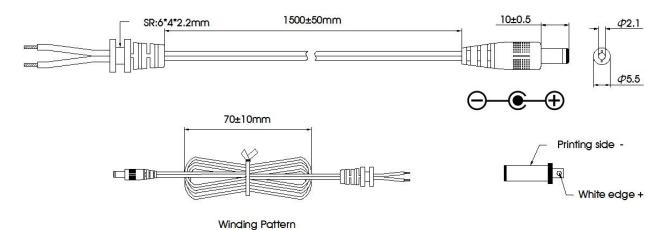
Mechanical Drawing



Note:

No display tolerance: ±0.12 Unit: mm

DC Wire Drawing



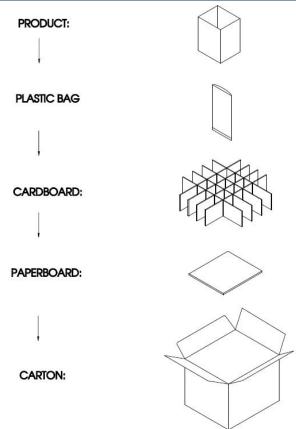
NO.	ITEM	Q' TY	DESCRIPTION
01	CABLE	1PCS	3V UL2468 22AWG/2C 80°C/300V L=1500mm 5V/9V/12V/15V UL2468 24AWG/2C 80°C/300V L=1500mm
02	PLUG	1PCS	DC PLUG:5.5*2.1*10

Note:

1.Compliance with RoHS2.No display tolerance: ±0.12

3.Unit: mm

Package Drawing



Note:

1.Storage condition:
Temperature: -25°C to +70°C
Relative humidity: 30% - 80%RH.
2. Storage period: 6 months.
3. Antistatic: no requirement.

Note:

- 1. Products are related to laws and regulations: see "Features", "EMC" and "Safety standards".
- Our products shall be classified according to ISO14001 and related environmental laws and regulations, and shall be handled by qualified units.
- 3. If the product is not operated within the required load range, the product performance cannot be guaranteed to comply with all parameters in the datasheet;
- Unless otherwise specified, parameters in this datasheet were measured under the conditions of Ta=25°C, humidity <75% with nominal input voltage and rated output load;
- 5. All index testing methods in this datasheet are based on our company corporate standards;
- 6. We can provide product customization service; Please contact our technicians directly for specific information;

Mornsun Guangzhou Science & Technology Co., Ltd.

Address: No. 5, Kehui St. 1, Kehui Development Center, Science Ave., Guangzhou Science City, Huangpu District, Guangzhou, P. R. China Tel: 86-20-38601850 Fax: 86-20-38601272 E-mail: info@mornsun.cn www.mornsun-power.com

MORNSUN®

MORNSUN Guangzhou Science & Technology Co., Ltd.