







RoHS

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 China plug
- Small wall-mounted type

MC005-HA 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 GB4943. 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.

Electric S	Specifications							
	Model	MC00503HA	MC00505HA	MC00509HA	MC00512HA	MC00515HA		
	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%		
Outout	Load Regulation	±5%	±5%	±5%	±5%	±5%		
Output	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/ Undershoot	±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			$\mathbf{M} \Omega$
Operating Temperature		-10		40	••
Storage Temperature		-25		70	°C
Operating Humidity				90	O/ DU
Storage Humidity				95	%RH
Altitude				5000	m
Lifetime	25°C	2			years
MTBF	MIL-HDBK-217F (25°C)	50000			hours

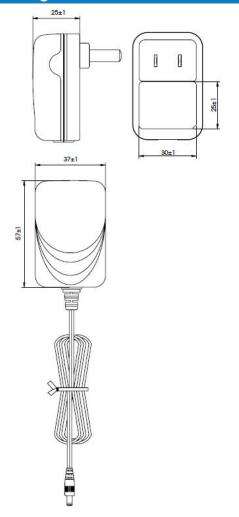
Physical Specifications			
Casing Material	PC,120°C 94V-0		
Color	Black/White(Other color can be designed by customization)		
Dimension	(L)57.00mm*(W)37.00mm*(H)25.00mm		
Weight	60g(Typ.)		
Cooling Method	Free air convection		

EMC Specifications				
EN 41	RE	EN55032, CLASS B		
EMI	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	GB4943	Approved		
AV	GB8898	Meet		
Home appliances	GB4706	Meet		

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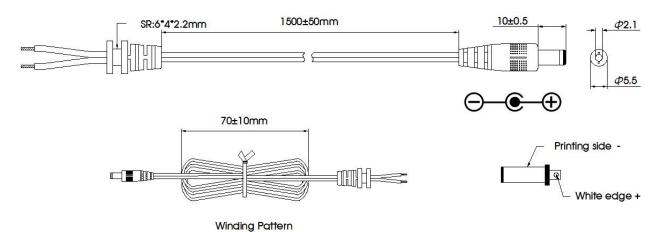
Mechanical Drawing



Note:

No display tolerance: ±0.12 Unit: mm

DC Wire Drawing



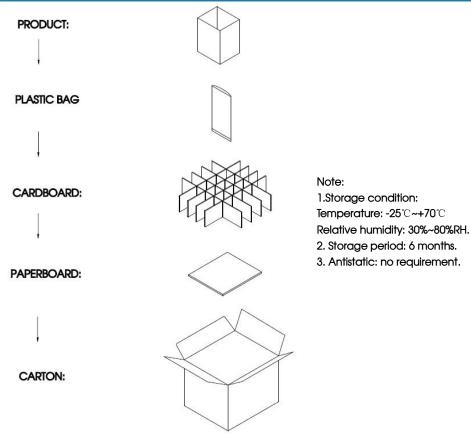
NO.	ITEM	Q′ TY	DESCRIPTION
01	CABLE	1PCS	3V UL2468 22AWG/2C 80°C/300V L=1500mm 5V/9V/12V/15V UL2468 24AWG/2C 80°C/300V L=1500mm
02	PLUG	1PCS	DC PLUG:5.5*2.1*10

Note:

1.Compliance with RoHS 2.No display tolerance: ±0.12 3.Unit: mm



Package Drawing



Note:

- 1. Products are related to laws and regulations: see "Features", "EMC" and "Safety standards".
- 2. 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:
- 4. 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's 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, Luogang District, Guangzhou, P. R. China Tel: 86-20-38601850-8801 Fax: 86-20-38601272 E-mail: sales@mornsun.cn

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