



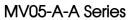


- **FEATURES**
- Universal input Voltage: 90 264VAC, 50/60Hz
- DoE Level VI efficiency
- Over voltage, Over current, Short circuit protection
- Fully enclosed plastic case
- 2 pole USA plug
- Small wall-mounted type

MV05-A-A 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 UL60950. 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 Specifications							
	Model	MV05-0300100A-A	MV05-0500100A-A	MV05-0900050A-A	MV05-1200050A-A	MV05-1500040A-A	
	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%	
O	Load Regulation	±5%	±5%	±5%	±5%	±5%	
Output	Ripple &Noise*	80mVp-p max	80mVp-p max	90mVp-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	30ms 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%	
Input	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					
	Over voltage	Rated output voltage 110%-150%					
Protections	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





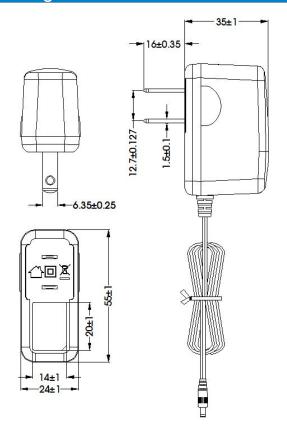
General Specifications					
Item	Operating Conditions	Min.	Тур.	Max.	Unit
Isolation Voltage	Input-output, Test 1 minute, leakage current<5mA	3000			VAC
Insulation Resistance	Input-output, add 500Vdc test voltage	100			<b>M</b> Ω
Operating Temperature		-10		40	20
Storage Temperature		-25		70	°C
Operating Humidity		-		90	O/ DI I
Storage Humidity				95	%RH
Altitude				2000	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)55.00mm*(W)24.00mm*(H)35.00mm			
Weight	55g(Typ.)			
Cooling Method	Free air convection			

EMC Spe	cifications		
EMI	RE	EN55032, CLASS B	
EIVII	CE	EN55032, CLASS B	
EMS	ESD	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	IEC/EN61000-4-5 ±2KV/ ±2KV	perf. Criteria B

Safety Standards					
Application fields	Standard	Status	Note		
IT	UL60950	Approved			
AV	UL60065	Meet			
Home appliances	UL1310	Meet			
Lighting	UL1310	Meet			

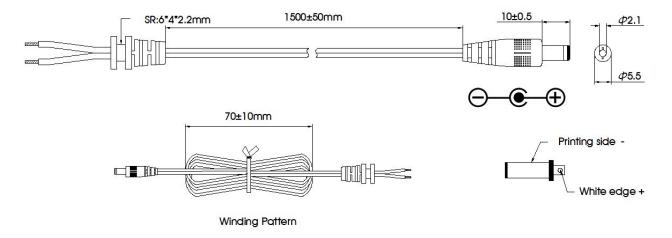
#### **Mechanical Drawing**



Note: No display tolerance: ±0.12

Unit: mm

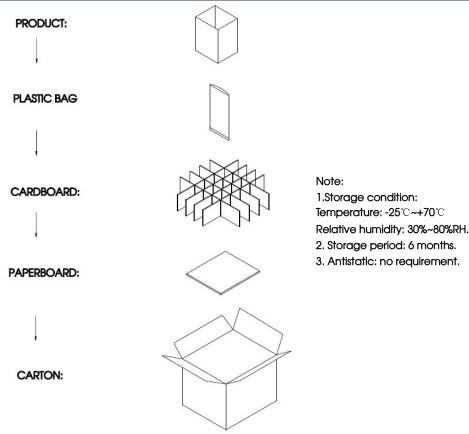
### DC Wire Drawing



NO.	ITEM	Q′ TY	DESCRIPTION	Note:
01	CABLE	1PCS	3V UL2468 22AWG/2C 80°C/300V L=1500mm 5V/9V/12V/15V UL2468 24AWG/2C 80°C/300V L=1500mm	<ol> <li>Compliance wi</li> <li>No display toler</li> </ol>
02	PLUG	1PCS	DC PLUG:5.5*2.1*10	3.Unit: mm

ith RoHS erance: ±0.12

#### Package Drawing



#### Note:

- 1. Products are related to laws and regulations: see "Features" and "EMC".
- 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;

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