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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 Australia plug
- Small wall-mounted type

MV05-I-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 AS/NZS60950. 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.

	Model	MV05-0300100I-A	MV05-0500100I-A	MV05-0900050I-A	MV05-1200050I-A	MV05-1500040I-A		
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*	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%		
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						
Protections		Hiccup, Continuous, self-recovery						
Protections	Short circuit	Hiccup, Continuous	, self-recovery					



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5W AC/DC Adapter

MV05-I-A Series

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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			MΩ
Operating Temperature		-10		40	
Storage Temperature		-25		70	°C
Operating Humidity				90	0/ 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)55.40mm*(W)40.16mm*(H)44.57mm		
Weight	58g(Тур.)		
Cooling Method	Free air convection		

EMC Spec	cifications		
	RE	EN55032, CLASS B	
EMI	CE	EN55032, CLASS B	
	ESD	IEC/EN61000-4-2 Contact ±8KV/Air ±15KV	perf. Criteria B
EN 40	RS	IEC61000-4-3 3V/m	perf. Criteria A
EMS	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	
П	AS/NZS60950	Approved		
AV	AS/NZS60065	Meet		
Home appliances	AS/NZS61558-2-16	Meet		

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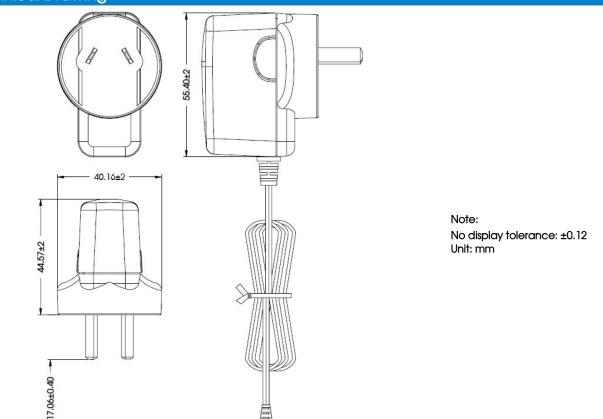
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5W AC/DC Adapter

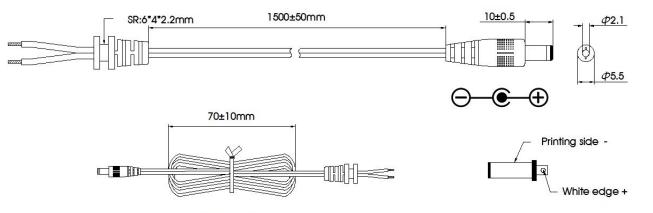
MV05-I-A Series

Mechanical Drawing





DC Wire Drawing



Winding Pattern

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	1.Compliance with RoHS 2.No display tolerance: ±0.12
02	PLUG	1PCS	DC PLUG:5.5*2.1*10	3.Unit: mm



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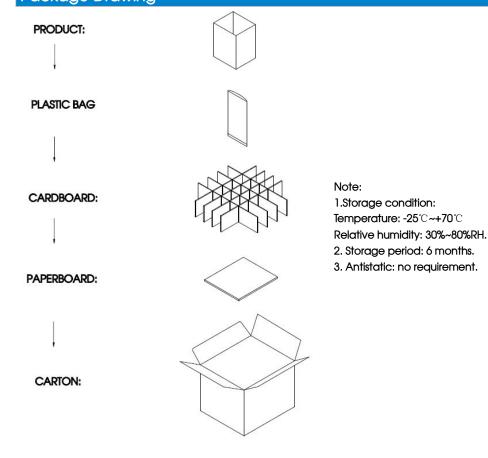
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5W AC/DC Adapter

MV05-I-A Series

Package Drawing

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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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