5W AC/DC interchangeable Adapter MU005-HA Series

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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
- AC plug interchangeable
- Small wall-mounted type
- **Global** certificates

MU005-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, GB4943, UL60950, EN60950, BS EN60950 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	MU00503HA	MU00505HA	MU00509HA	MU00512HA	MU00515HA		
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/ 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						
lote	* Ripple and noise a	ure measured by 20MHz bandwidth; at full load, 100-240VAC input, output terminated with a 0.1uF cerami uF electrolytic capacitor.						

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General Specificat	tions					
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	01 011	
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)63.41mm*(W)39.00mm*(H)31.65mm		
Weight	135g(Тур.)		
Cooling Method	Free air convection		

	EMC Specifications
SB	RE
SB	EMI
2 Contact ±8KV/Air ±15KV perf. Criteria B	ESD(MAX)
//m perf. Criteria A	RS
/rms perf. Criteria A	CS CS
5 ±2KV/±2KV perf. Criteria B	Surge(MAX)
/rms perf.	EMS

Note: standard ESD contact ±4KV/Air ±8KV, Surge ±1KV/ ±1KV.

Safety Standards

Application fields	Standard	Status	Note
П	GB4943, UL60950, BS EN60950, EN60950, AS/NZS60950	Approved	
11	K60950, J60950	Meet	
AV	GB8898, UL60065, BS EN60065, EN60065, AS/NZS60065, J60065	Meet	
Home appliances	GB4706, ETL1310, BS EN61558-2-16, EN61558-2-16, AS/NZS61558-2-16, J61558-2-16	Meet	
Lighting	ETL1310, BS EN61347, EN61347, J61347	Meet	

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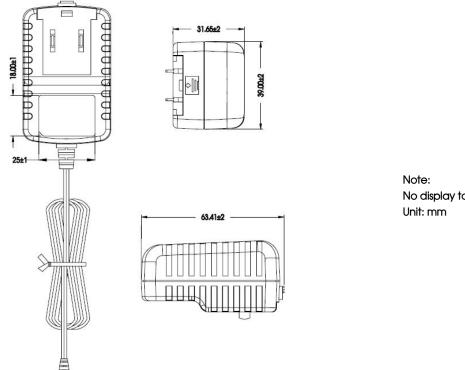
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Mechanical Drawing





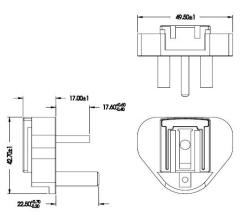
Note: No display tolerance: ±0.12 Unit: mm

Interchangeable Plug Mechanical Drawing China:

Π

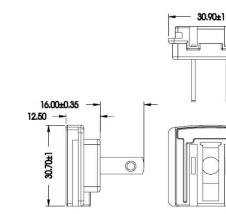
16.00±0.35 12.50

Britain:

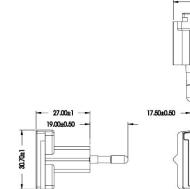


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USA:



Europe:



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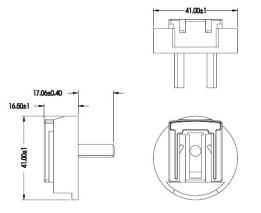
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Australia:



Note: No display tolerance: ±0.12 Unit: mm

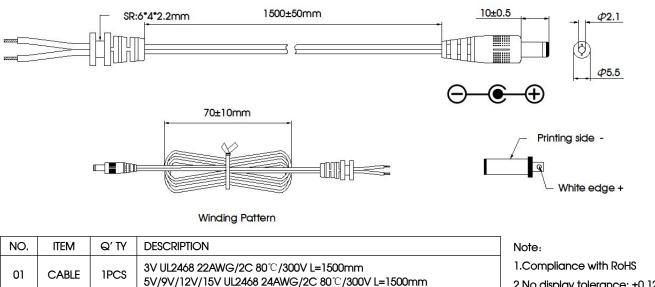
DC Wire Drawing

PLUG

02

1PCS

DC PLUG:5.5*2.1*10



2.No display tolerance: ±0.12 3.Unit: mm

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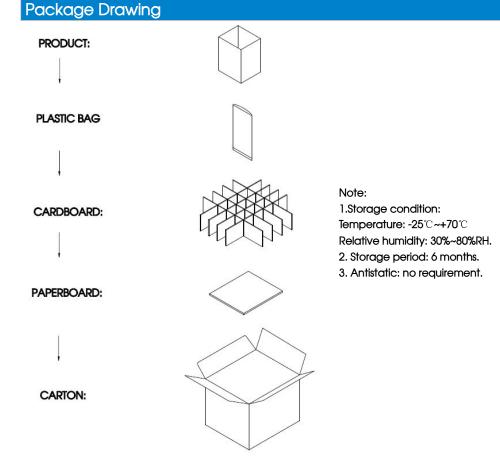
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Note:

- 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;

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