







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 Australia plug
- Small wall-mounted type

MI012-UA 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.

Electric Specifications				
	Model	MI01205UA		
	DC Voltage	5V		
	Rated Current	2.5A		
	Current Range	0-2.5A		
	Rated Power	12.5W		
	Voltage Accuracy	±5%		
	Line Regulation	±1%		
	Load Regulation	±5%		
Output	Ripple & Noise*	120mVp-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.)	80.21%		
Input	Input Current	0.35A Max@100VAC, full load		
	Inrush Current	Cold start: 30A/115VAC, 60A/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		e measured by 20MHz bandwidth; at full load, 100-240VAC input, output terminated with a 0.1uF ceramic electrolytic capacitor.		

# 12W AC/DC Adapter



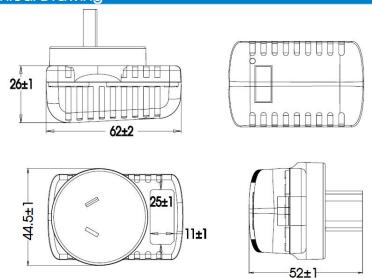
General Specifications					
Item	Operating Conditions	Min.	Тур.	Max.	Unit
Isolation Voltage	Input-output, test 1 minute, leakage current<5mA	3000			VAC
Insulation Resistance	Input-output, add 500Vdc test voltage	100			$\mathbf{M}\Omega$
Operating Temperature		-10		40	•
Storage Temperature		-25		70	°C
Operating Humidity				90	O/ DI I
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)62.00mm x (W)44.50mm x (H)26.00mm	
Weight	55g (Typ.)	
Cooling Method	Free air convection	

EMC Specifications				
E. 41	RE	EN55032, CLASS B		
EMI	CE	EN55032, CLASS B		
	ESD(MAX)	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(MAX)	IEC/EN61000-4-5 ±2KV/ ±2KV	perf. Criteria B	
Note: Standard ESD	contact ±4KV/Air ±8KV, surge ±1KV/	±1KV.		

Safety Standards					
Application Fields	Standard	Status	Note		
IT	AS/NZS60950	Approved			
AV	AS/NZS60065	Meet			
Home Appliances	AS/NZS61558-2-16	Meet			

## **Mechanical Drawing**



Note:

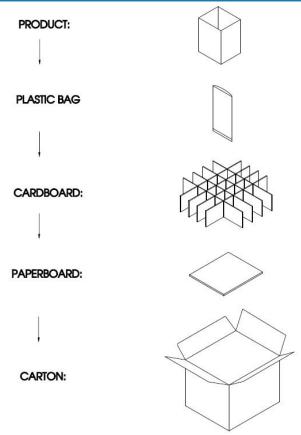
No display tolerance: ±0.12 Unit: mm



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### **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".
- 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 corporate standards;
- 6. We can provide product customization service; Please contact our technicians directly for specific information;

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