UMDN 12W Series

Medical AC/DC Adaptor
Standard Product

▲ UMDNI3012

▲ UMDNB3012

Safety Certificate | Reliability Guarantee | Energy Saving | ROHS 2 | LPS | EMC | Medical Certification | 2xMOPP

Please contact our sales department for safety standard of each model.

Product Highlights

- Stability
- Energy and High Efficiency
- 2xMOPP
- Suitable for medical equipment

Protection

- Short Circuit Protection
- Over Voltage Protection
- Over Current Protection

Safety Standard

- 60601-1
- PSE 別表第八

Efficiency

- Energy Efficiency Level VI (ErP / DoE)
- Meet Commission Regulation(EU) 2019/1782
- Meet DOE 10 CFR part 429 and 430

Emissions

- FCC
  - FCC Part18-B
- CE
  - EN(CISPR)55011-B
- VCCI-B
- BS EN55011

Immunity

- EN60601-1-2
- BS EN60601-1-2

The above specifications include the following test standards

✓ EN61000-4-2
✓ EN61000-4-3
✓ EN61000-4-4
✓ EN61000-4-5
✓ EN61000-4-6
✓ EN61000-4-8
✓ EN61000-4-11

Electrical Spec

Input					
Description	Min.	Typ.	Max.	Units	Comment
Voltage	90	100~240	264	Vac	
Frequency	47	50/60	63	Hz	

Environmental					
Description	Min.	Typ.	Max.	Units	Comment
Operating Temperature	0	-	40	°C	Free Convection,Sea Level
Storage Temperature	-20	-	65	°C	Free Convection,Sea Level
Operating Humidity	5	-	95	%RH	No Condensing
Storage Humidity	5	-	95	%RH	No Condensing

Typical model list

Model Name	DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple	Noise	Average Active Efficiency	No-load power consumption	Option / Remark
UMDNx3012-050020SA	5.0V	2.0A	±5%	150mV	150mV	78.70%	0.1W	
UMDNx3012-059020SA	5.9V	2.0A	±5%	150mV	150mV	79.83%	0.1W	
UMDNx3012-090013SA	9.0V	1.34A	±5%	180mV	180mV	82.99%	0.1W	
UMDNx3012-120010SA	12.0V	1.0A	±5%	180mV	180mV	82.96%	0.1W	
UMDNx3012-150800SA	15.0V	0.8A	±5%	180mV	180mV	82.96%	0.1W	
UMDNx3012-180670SA	18.0V	0.67A	±5%	240mV	240mV	82.99%	0.1W	
UMDNx3012-240500SA	24.0V	0.5A	±5%	240mV	240mV	82.96%	0.1W	

Measurement Condition

1. Measurements shall be made with an oscilloscope with 20MHz bandwidth.
2. Outputs shall be bypassed at the connector with a 0.1uF ceramic disk capacitor and a 10uF Low ESR electrolytic capacitor to simulate system loading.

Mechanical Spec

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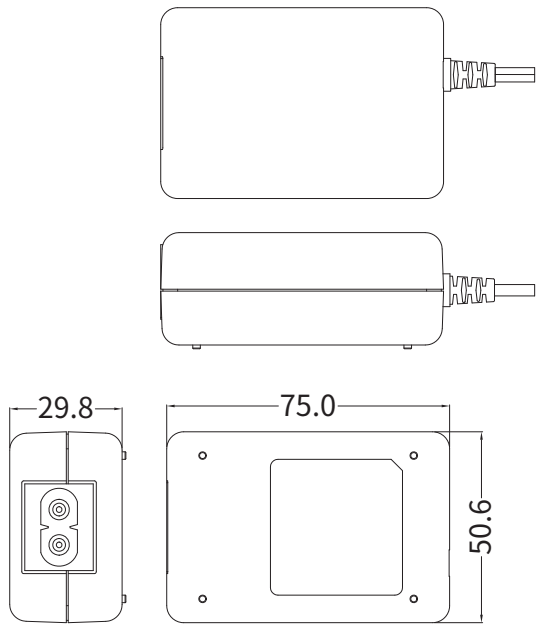

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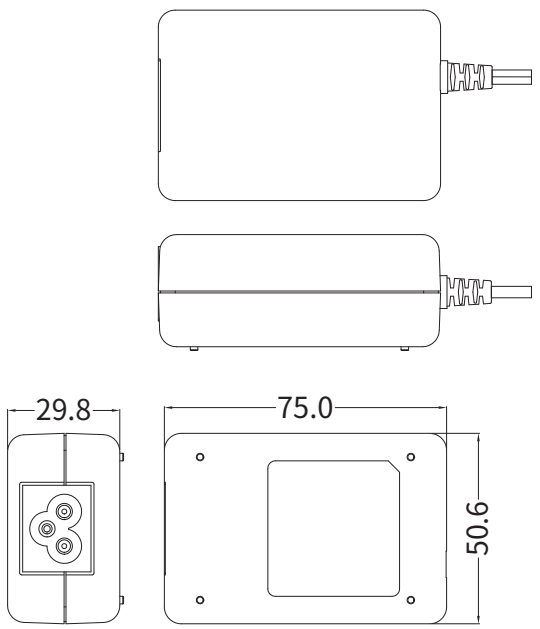

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