

UMDE 90W Series

Medical AC/DC Adaptor Standard Product



▲ UMDEI3090



▲ UMDEB3090



■ 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
- Over Temperature 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	
Power Factor	ACIN 100V	0.9	-	-	-
	ACIN 230V	0.9	-	-	-

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
UMDEx3090-120075SA	12.0V	7.5A	±5%	300mV	400mV	88.00%	0.21W	
UMDEx3090-150060SA	15.0V	6.0A	±5%	300mV	400mV	88.00%	0.21W	
UMDEx3090-190047SA	19.0V	4.73A	±5%	300mV	400mV	88.00%	0.21W	
UMDEx3090-240037SA	24.0V	3.75A	±5%	300mV	400mV	88.00%	0.21W	

■ 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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