

(VI)

Product Features

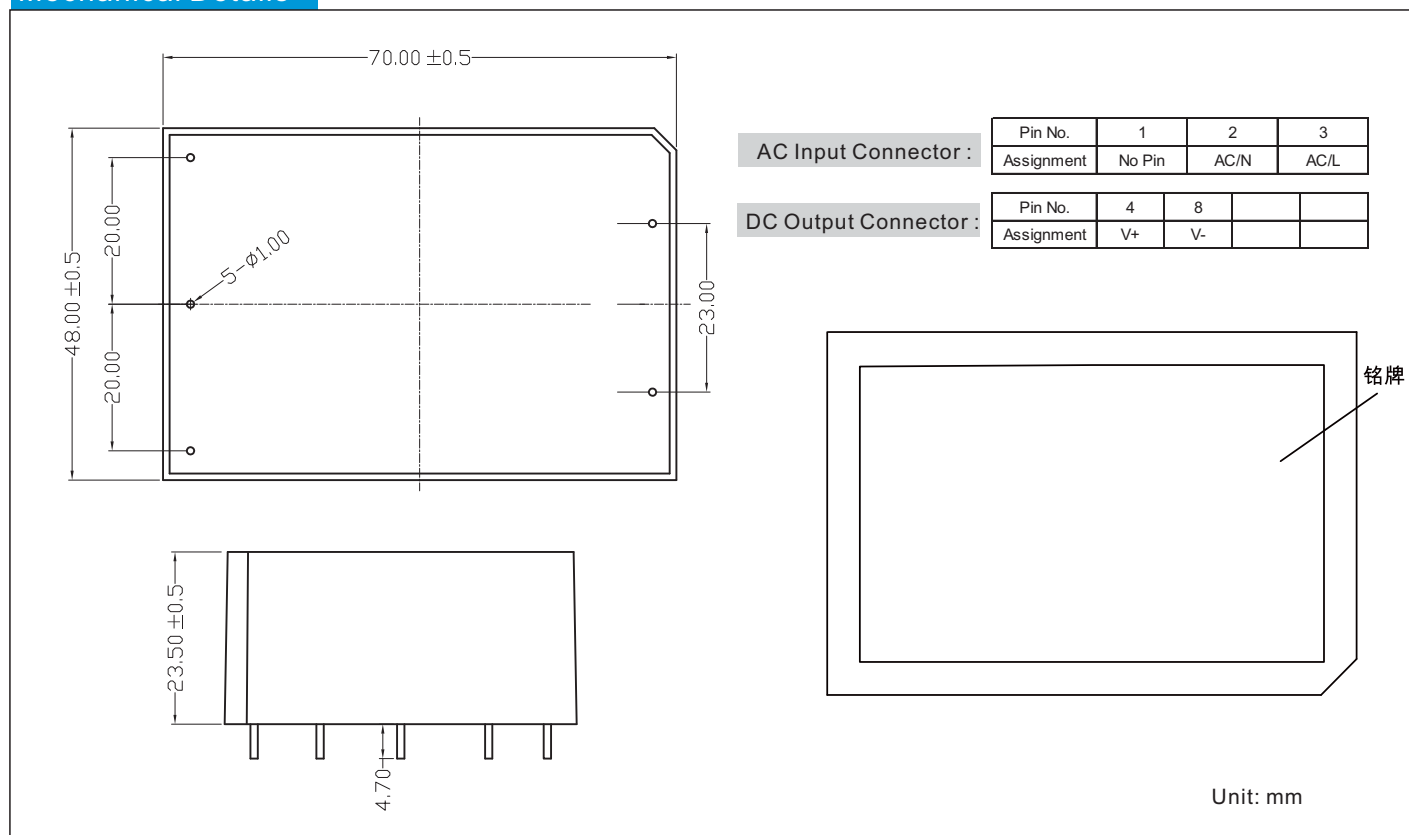
- Medical & ITE safety meet
- 2 MOPP input to output isolation
- DOE Efficiency Level VI
- Leakage current < 100μA
- ≤ 0.1W standby power
- Up to 5,000m operating altitude



Models & Ratings

Model Number	Voltage ^(*)	Current	Rated Power	Ripple & Noise (max)(*)	Voltage Tolerance	Line & Load Regulation	Efficiency (Average)	Start Up Delay
UES30-XXXYYYSAPA	5.0	0.01-6.00	30.0W	150mVpk-pk	±5%	Line: ±5%	85.07%	≤3s
	9.0	0.01-3.33	30.0W	150mVpk-pk	±5%	Line: ±5%	86.95%	≤3s
	12.0	0.01-2.50	30.0W	150mVpk-pk	±5%	Line: ±5%	86.95%	≤3s
	15.0	0.01-2.00	30.0W	150mVpk-pk	±5%	Line: ±5%	86.95%	≤3s
	18.0	0.01-1.66	30.0W	150mVpk-pk	±5%	Line: ±5%	86.95%	≤3s
	24.0	0.01-1.25	30.0W	150mVpk-pk	±5%	Line: ±5%	86.95%	≤3s

Mechanical Details



Notes

(*) The unmarked tolerance is ±0.3mm.

(*) The unmarked pin tolerance is ±0.1mm.

Input

Input Voltage Range	85-265VAC
Frequency Range	47-63Hz
Input Current	1.0A at 100VAC
Inrush Current	100A max at 240VAC cold start
Touch Leakage Current ^(max)	≤100μA at 264VAC

Environmental

Operating Temperature	-25°C to 65°C
Storage Temperature	-25°C to 70°C
Operating Humidity	10% to 90% RH, non-condensing
Storage Humidity	10% to 90% RH
Operating Altitude	5,000m

General

Dimensions	70.0(L)x48.0(W)x23.5(H)mm
Weight	约70g
MTBF	>200,000hrs MIL-HDBK-217 at 25°C

Protection

Overload	110-180% rated output power, auto recovery
Over Voltage	150% Max output voltage input to reset
Short Circuit	Trip and restart (hiccup mode)

Safety Approvals

Safety Agency / Mark	Medical(Meet)	ITE(Meet)
CQC	-	GB4943.1
CB	IEC60601-1	IEC62368-1
UL	ANSI/AAMI ES60601-1 CAN/CSA C22.2 NO. 60601-1	UL62368-1

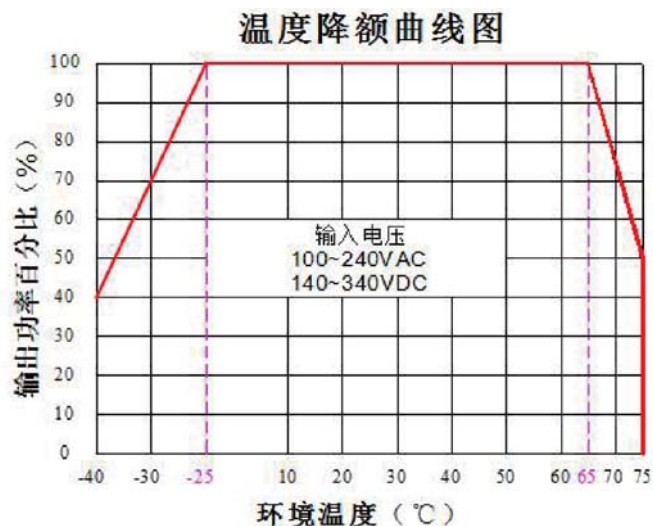
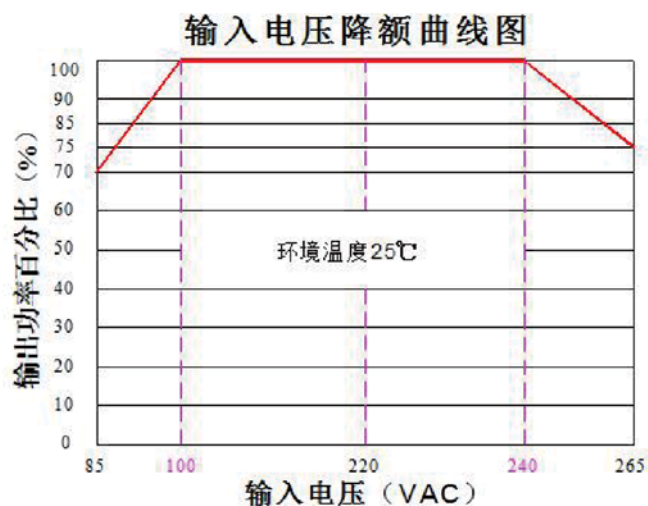
EMC

Emissions	Medical	ITE
Conducted	IEC/EN 60601-1-2, CISPR 11	EN55032, CISPR 32
Radiated	IEC/EN 60601-1-2, CISPR 11	EN55032, CISPR 32
Harmonic Currents	EN61000-3-2, Class A	EN61000-3-2, Class A
Voltage Flicker	EN61000-3-3	EN61000-3-3
Immunity	IEC/EN 60601-1-2	EN55035, CISPR 35
ESD	EN61000-4-2	±15kV air, ±8kV contact
Radiated Immunity	EN61000-4-3	10V/m, 3V/m 80MHz - 2.7GHz
EFT/Burst	EN61000-4-4	±2kV on AC port, ±1kV on signal ports
Surge	EN61000-4-5	±2KV line to line (diff mode)
Conducted Immunity	EN61000-4-6	3Vrms, 6Vrms (0.15MHz-80MHz)
Magnetic Field	EN61000-4-8	30 A/m
Dips & Interruptions	EN61000-4-11	0%, 70%, 0% of UT

Others

Dielectric Withstand Voltage	5,656VDC input to output
Insulation Resistance	10M Ohms, 500VDC input to output

Product characteristic curve



Ripple & Noise test method

测试方法：

1、纹波噪声是利用12#双绞线连接，示波器带宽设置为20MHz，100M带宽探头，且在探头端上并联0.1uF聚丙烯电容和10uF高频低阻电解电容，示波器采样使用Sample取样模式。

2、输出纹波噪声测试示意图：

把电源输入端连接到输入电源，电源输出通过治具板连接到电子负载，测试单独用30cm±2cm取样线直接从电源输出端口取样。功率线根据输出电流的大小选取相应线径的带绝缘皮的导线。

