UxOAT 36W P Series

Medical/Home/I.C.T. - Open Frame
Peak Power

▲ UxOAT3036 P

Safety Certificate | Reliability Guarantee | Energy Saving | ROHS 2 | EMC | LPS

Medical Certification | 2xMOPP | Household

- Please contact our sales department for safety standard of each model.
- CB & UL certification is only available for M:60601-1(medical series).

Model Name Definition

U x O A T 3 0 3 6 P

x : Depend on Safety Standard

- M 60601-1
- H 61558-1/60335-1
- N 62368-1/60065-1/60950-1

Product Highlights

- Stability
- Energy and High Efficiency
- PCB Size 1.9"x 4.1"(inch)
- Peak load 1.2 sec function
- The peak load can reach up to 170% of the rated output.
- 2xMOPP
- Suitable for medical equipment
- Suitable for home appliances
- Suitable for equipment which meet 60335
- Appendix 8 of PSE : comply with dusty requirement
- Suitable for devices with built-in power supply
- The lifespan of the power supply is 5 years.

Protection

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

Safety Standard

- 62368-1
- 60601-1
- 61558-1
- 60335-1
- PSE 別表第八 100V 基準に準拠

Efficiency

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

Emissions

- FCC
  - FCC Part15-B
  - FCC Part18-B
- CE
  - EN(CISPR)55032-B
  - EN(CISPR)55011-B
  - EN(CISPR)55014-B
- BS EN 55032
- BS EN55011
- BS EN55014-1

Immunity

- EN55035
- BS EN 55035
- EN60601-1-2
- BS EN60601-1-2
- EN55014-2
- BS EN55014-2

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

more detail on next page

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	-	50	°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

Output Port	Model Name	DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple	Noise	DC Output Peak Current	Peak Time (Tp)	Duty	Option / Remark
CN21	UxOAT3036-120030PA	12.0V	3.0A	±5%	240mV	240mV	5.1A	1.2sec	0.2	
	UxOAT3036-150024PA	15.0V	2.4A	±5%	240mV	240mV	4.1A	1.2sec	0.2	
	UxOAT3036-190019PA	19.0V	1.9A	±5%	240mV	240mV	3.2A	1.2sec	0.2	
	UxOAT3036-240015PA	24.0V	1.5A	±5%	300mV	300mV	2.5A	1.2sec	0.2	

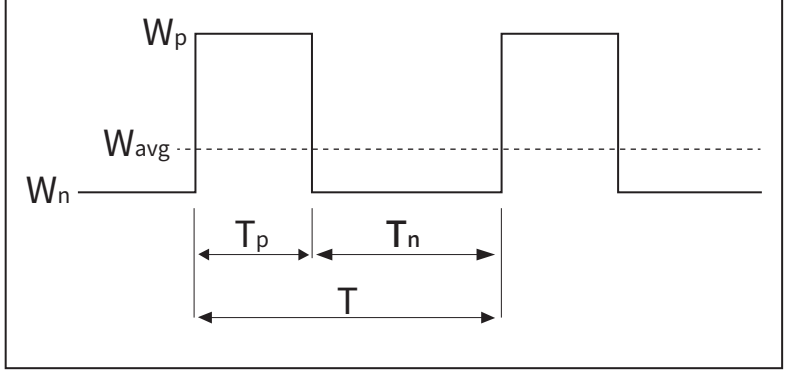
- Measurement Condition

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.
3. It is not recommended to exceed the peak load specification value, as it may cause damage to the power supply. If the application range exceeds the calculated value, please contact us.

Peak power

- $W_{avg} = \frac{W_p \times T_p + W_n \times (T - T_p)}{T} < 1.1\, W_{rated}$
- $Duty = \frac{T_p}{T}$

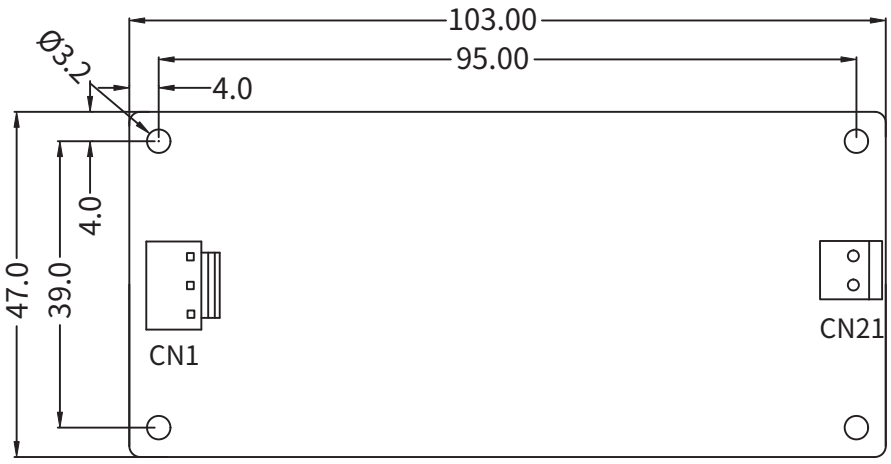
The Diagram Of Peak Power

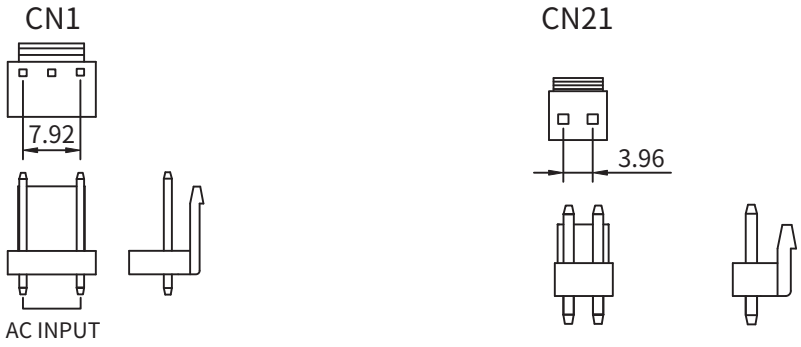


- W_{avg}：The average of output (W)
- W_p：The peak output power (W)
- W_n：Off-peak output power (W)
- W_{rated}：Rated output power (W)
- T_p：The time of peak power (sec)
- T_n：Off-peak output power (sec)
- T：Time (sec)

Mechanical Spec

TOLERANCE:±0.5
Unit:mm





CN1

PIN NUMBER	INPUT
1	AC(L)
2	
3	AC(N)

CN1 : INPUT CONNECT
MODEL NO : JSY 3PIN A3963WV-3P

(THE EQUIVALENT)

CN21

PIN NUMBER	OUTPUT
1	V+
2	V-

CN21 : OUTPUT CONNECT
MODEL NO : JSY A3963WV-2P

(THE EQUIVALENT)

Please contact our sales department for details of each model