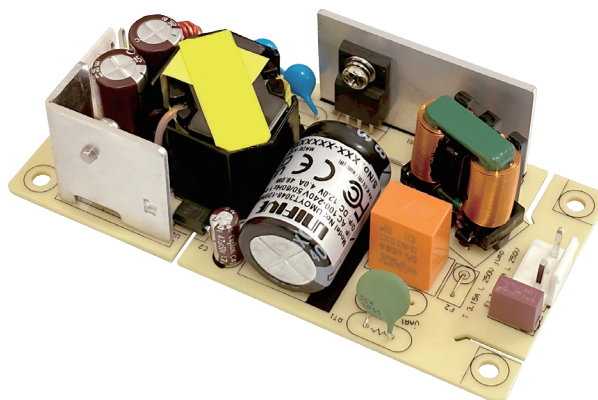


UxOYT 48W P Series

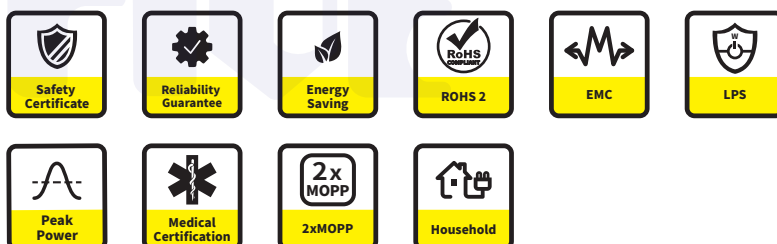
Medical/Home/I.C.T. - Open Frame
Peak Power



▲ UxOYT3048 P

CB CE UK CA c US FC

■ 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 Y T 3 0 4 8 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 2"x 4"(inch)
- Peak load 1 sec function
- The peak load can reach up to 175% 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

Efficiency

- Up to 87.77%

Protection

- Short Circuit Protection
- Over Voltage Protection
- Over Current Protection
- Over Temperature Protection (optional)

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

Safety Standard

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

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	UxOYT3048-120040PA	12.0V	4.0A	±5%	240mV	240mV	7.0A	1sec	0.2	
	UxOYT3048-150032PA	15.0V	3.2A	±5%	240mV	240mV	5.6A	1sec	0.2	
	UxOYT3048-190025PA	19.0V	2.5A	±5%	240mV	240mV	4.37A	1sec	0.2	
	UxOYT3048-240020PA	24.0V	2.0A	±5%	240mV	240mV	3.5A	1sec	0.2	
	UxOYT3048-480010PA	48.0V	1.0A	±5%	480mV	480mV	1.75A	1sec	0.2	

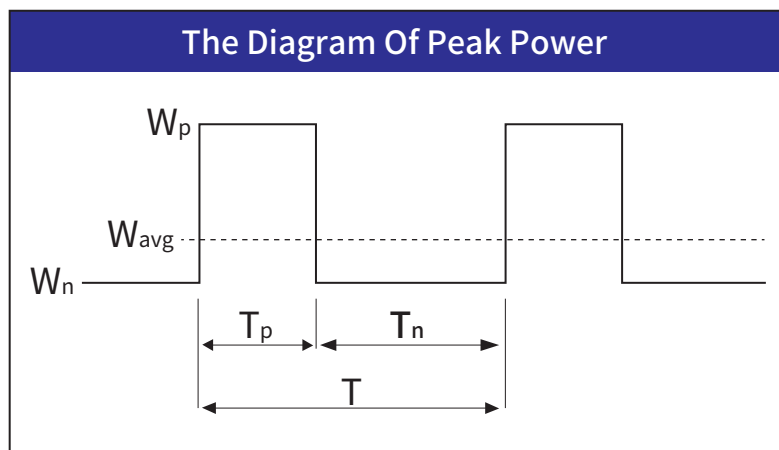
■ Measurement Condition

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

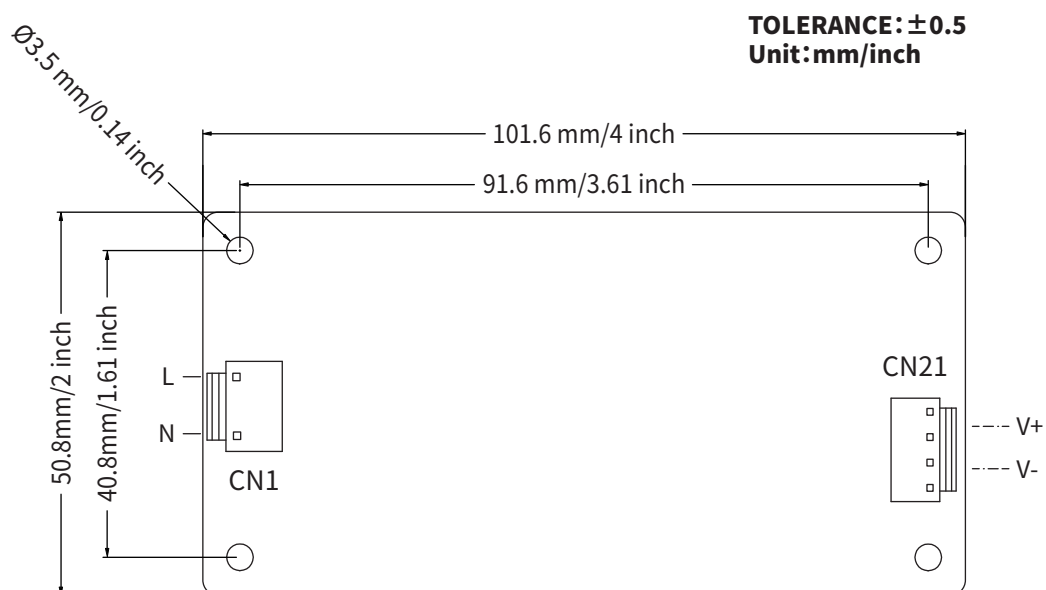
$$■ W_{avg} = \frac{W_p \times T_p + W_n \times (T - T_p)}{T} < W_{rated}$$

$$■ Duty = \frac{T_p}{T}$$

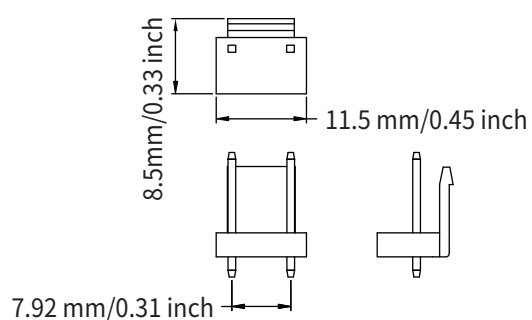


- W_{avg} : The average of output (W)
- W_p : The peak output power (W)
- W_n : Off-peak output power (W)
- W_{rated} : Rated output power (W)
- T_p : The time of peak power (sec)
- T_n : Off-peak output power (sec)
- T : Time (sec)

Mechanical Spec



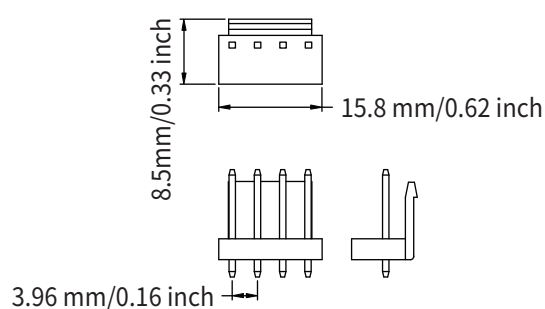
CN1



CN1

PIN NUMBER	INPUT
1	AC(N)
2	
3	AC(L)
CN1 : INPUT CONNECT Specifications are equivalent to models of JST B3P-VH	

CN21



CN21

PIN NUMBER	OUTPUT
1,2	V+
3,4	V-
CN21 : OUTPUT CONNECT Specifications are equivalent to models of JST B4P-VH	