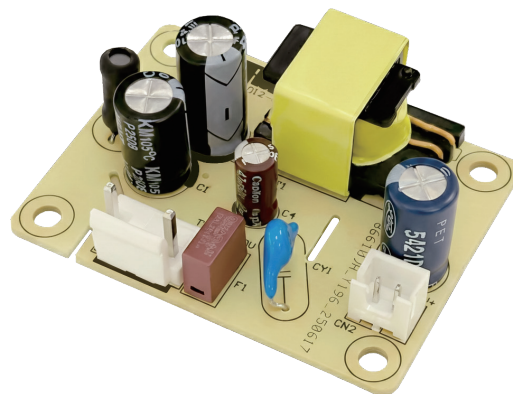


UxOATN 12W Series

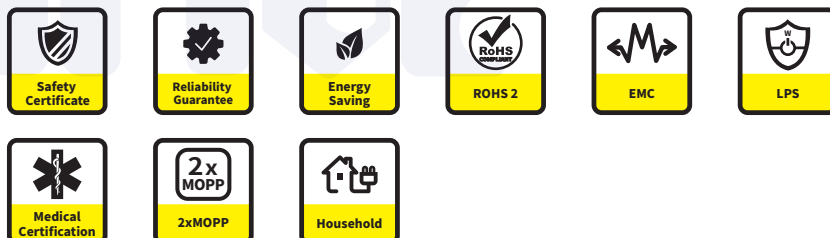
Medical/Home/I.C.T. - Open Frame
Standard Product



▲ UxOATN3012

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 A T N 3 0 1 2

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 1.5"x 2"(inch)
- 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.(optional)

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	Option / Remark
CN2	UxOATN3012-050020S	5.0V	2.0A	±5%	240mV	240mV	
	UxOATN3012-090013S	9.0V	1.3A	±5%	240mV	240mV	
	UxOATN3012-120010S	12.0V	1.0A	±5%	240mV	240mV	

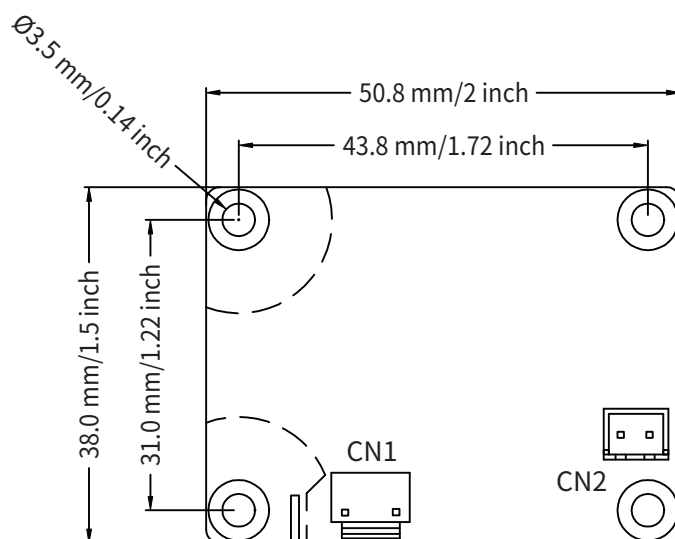
■ Measurement Condition

- Measurements shall be made with an oscilloscope with 20MHz bandwidth.
- 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.

more detail on next page

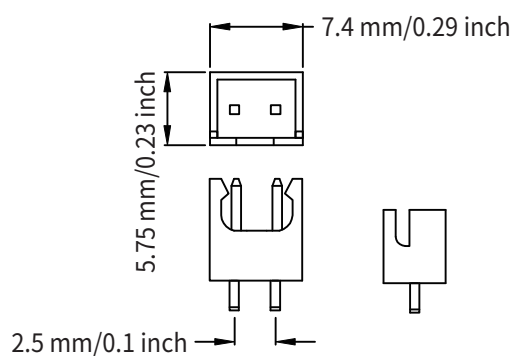
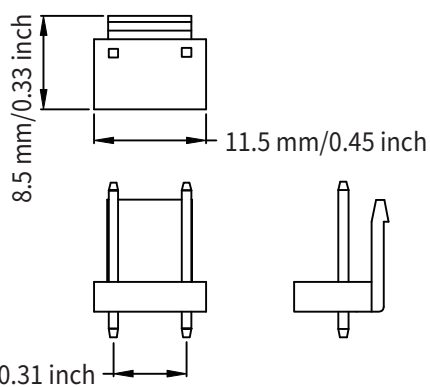
Mechanical Spec

TOLERANCE: ± 0.5
Unit: mm/inch



CN1

CN2



CN1

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

CN2

PIN NUMBER	OUTPUT
1	VO+
2	VO-
CN21 : OUTPUT CONNECT Specifications are equivalent to models of JST B2B-XH-A	

■ Please contact our sales department for details of each model ■