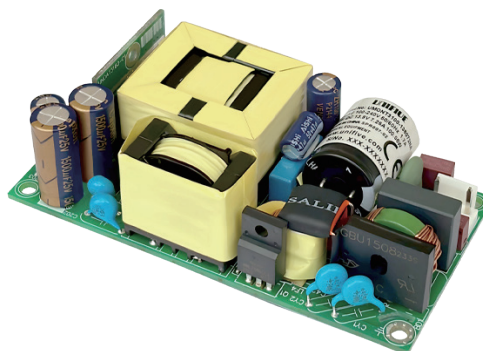


UxONT 100W Series

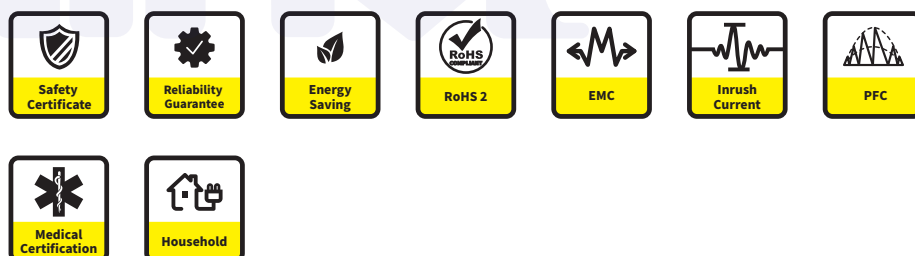
Industrial Power Supply
Standard Product
Compact 2" × 4"



▲ UxONT3100 Series

CB CE UK CA FCC

■ Please contact our sales department for safety standard of each model.
 ■ CB certification is only available for N:62368-1(I.C.T. series).



Model Name Definition

U x O N T 3 1 0 0

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)
- Suitable for medical equipment
- Suitable for home appliances
- Suitable for equipment which meet 60335
- Appendix 8 of PSE : comply with dusty requirement
- SEMI F47
Valid if VAC.input > 200V
- 5 years warranty
- Correspond to OVC III (2000m)
- Operating altitude Up to 5,000m
- Suitable for industrial equipment

Protection

- Short Circuit Protection
- Over Voltage Protection
- Over Current Protection
- Brown In and Brown Out Protection

Safety Standard

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

Efficiency

- Up to 94%

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
- (*Power supply with AC inlet filter mounted in user's metal chassis)

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

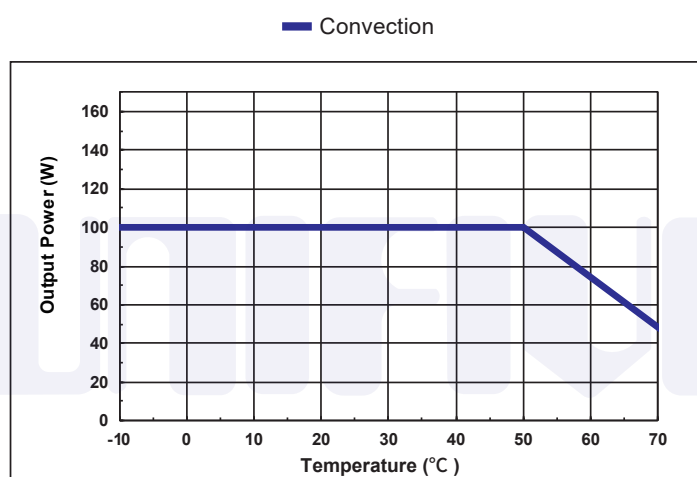
more detail on next page

Electrical Spec

Input					
Description	Min.	Typ.	Max.	Units	Comment
Voltage	90	100~240	264	Vac	
Frequency	47	50/60	63	Hz	
Power Factor	ACIN 100V	-	0.95	-	-
	ACIN 230V	-	0.9	-	-

Environmental					
Description	Min.	Typ.	Max.	Units	Comment
Operating Temperature	-10	-	70	°C	Refer to Derating Curve(*1)
Storage Temperature	-20	-	85	°C	Free Convection, Sea Level
Operating Humidity	5	-	95	%RH	No Condensing
Storage Humidity	5	-	95	%RH	No Condensing

Derating Curve(*1)



Typical model list

Output Port	Model Name	DC Output Voltage	DC Output Current	Output Voltage Precision	Ripple	Noise	Option / Remark
CON101	UxONT3100-120083SA	12.0V	8.33A	±4%	120mV	240mV	
	UxONT3100-150066SA	15.0V	6.67A	±4%	150mV	300mV	
	UxONT3100-240041SA	24.0V	4.17A	±4%	240mV	480mV	
	UxONT3100-480020SA	48.0V	2.08A	±4%	480mV	480mV	
	UxONT3100-540018SA	54.0V	1.85A	±4%	480mV	480mV	
	UMONT3100-120083NA	12.0V	8.33A	±4%	120mV	240mV	
	UMONT3100-150066NA	15.0V	6.67A	±4%	150mV	300mV	
	UMONT3100-240041NA	24.0V	4.17A	±4%	240mV	480mV	
	UMONT3100-480020NA	48.0V	2.08A	±4%	480mV	480mV	
	UMONT3100-540018NA	54.0V	1.85A	±4%	480mV	480mV	

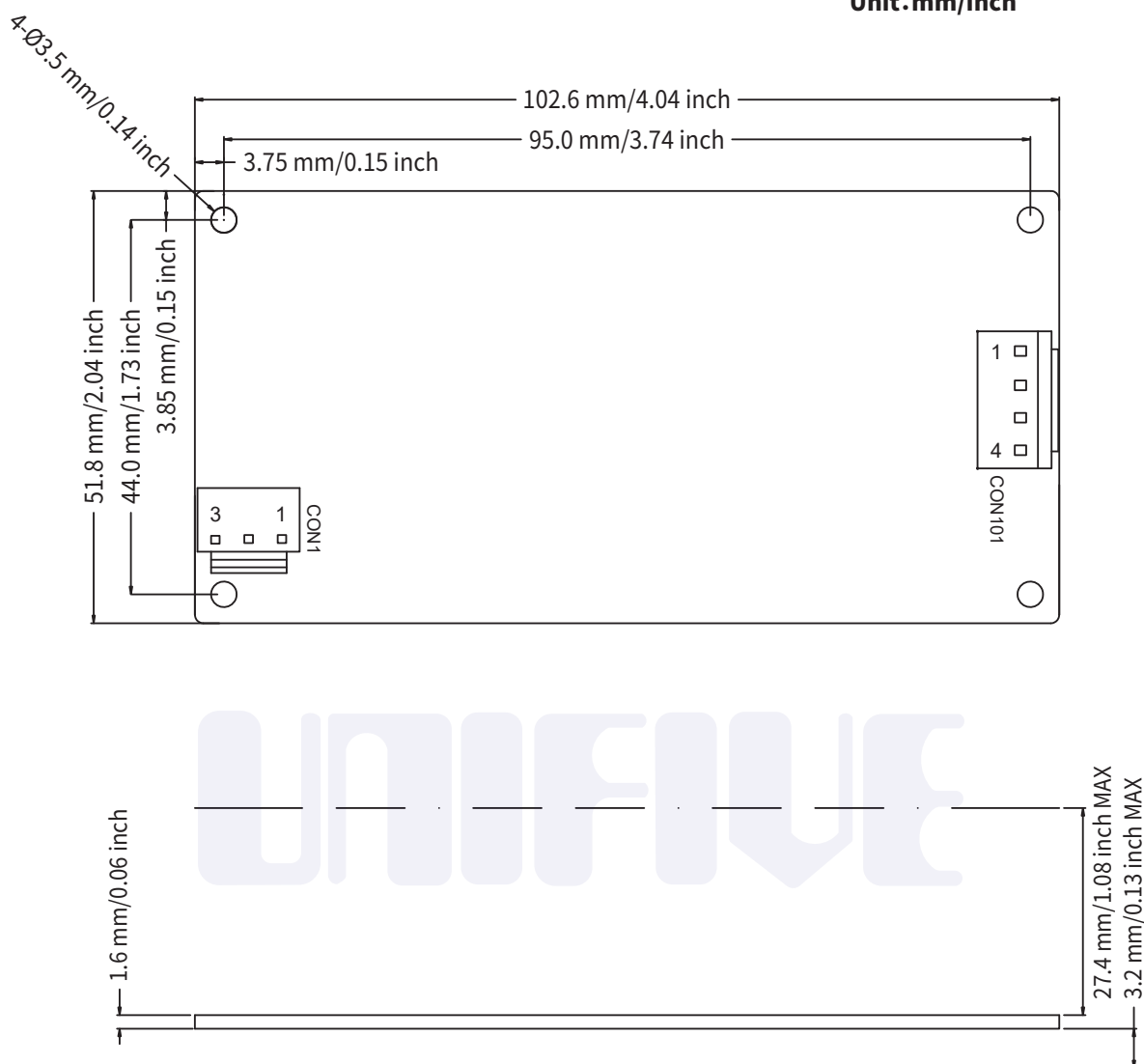
■ Measurement Condition

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

TOLERANCE: ± 0.5
Unit: mm/inch



CON1

PIN NUMBER	INPUT
1	AC(L)
2	
3	AC(N)
CON1 : INPUT CONNECT Specifications are equivalent to models of JST B3P-VH	

CON101

PIN NUMBER	OUTPUT
1,2	+V
3,4	-V
CON101 : OUTPUT CONNECT Specifications are equivalent to models of JST B4P-VH	