

**SERIES:** SWI10B-N-USB | **DESCRIPTION:** AC-DC POWER SUPPLY

**FEATURES**

- up to 10 W continuous power
- DoE Level VI efficiency
- universal input voltage range
- ultra-compact case
- no load power consumption < 0.075 W
- over voltage, over current, and short circuit protections
- UL/cUL & FCC safety approvals
- certified to IEC 62368-1 standards
- Class II construction
- black and white case options available

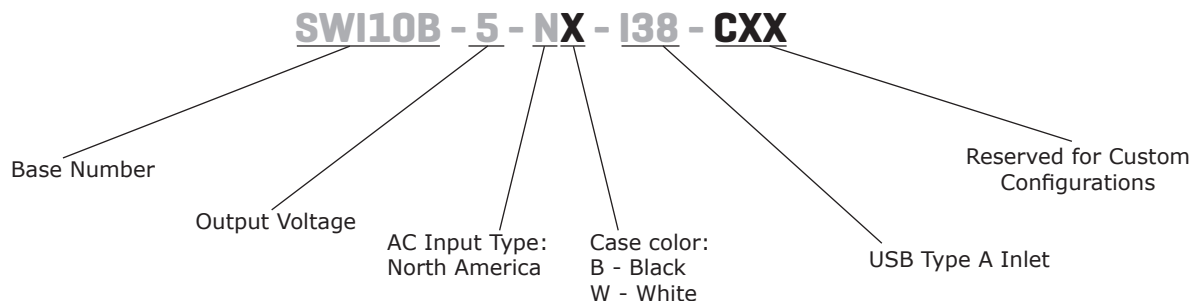


**MODEL**

	<b>output voltage</b> (Vdc)	<b>output current max</b> (A)	<b>output power max</b> (W)	<b>ripple and noise<sup>1</sup> max</b> (mVp-p)	<b>efficiency level</b>
SWI10B-5-NX-I38	5	2	10	300	VI

Notes: 1. At full load, 25°C, at 115/230 Vac input, 20 MHz bandwidth oscilloscope, output terminated with 0.1 µF and 10 µF capacitors.

**PART NUMBER KEY**



## INPUT

parameter	conditions/description	min	typ	max	units
voltage		90		264	Vac
frequency		47		63	Hz
current	at nominal input voltage			0.3	A
leakage current	at nominal input voltage & frequency			0.25	mA
no load power consumption	at 115/230 Vac			0.075	W

## OUTPUT

parameter	conditions/description	min	typ	max	units
regulation			±5		%
start-up time	at nominal input voltage			3	s
rise time	at nominal input voltage			100	ms
hold up time		5			ms

## PROTECTIONS

parameter	conditions/description	min	typ	max	units
over voltage protection				10	Vdc
over current protection	output shut down, auto recovery			3.0	A
short circuit protection	yes				

## SAFETY & COMPLIANCE

parameter	conditions/description	min	typ	max	units
isolation voltage	input to output at 10 mA for 1 minute		3,000 4,242		Vac Vdc
safety approvals	UL/cUL				
EMI/EMC	FCC				
MTBF	as per Telcordia SR-332 (Issue 2), at 115/230 Vac, full load, 0°C~40°C	50,000			hours
RoHS	yes				

## ENVIRONMENTAL

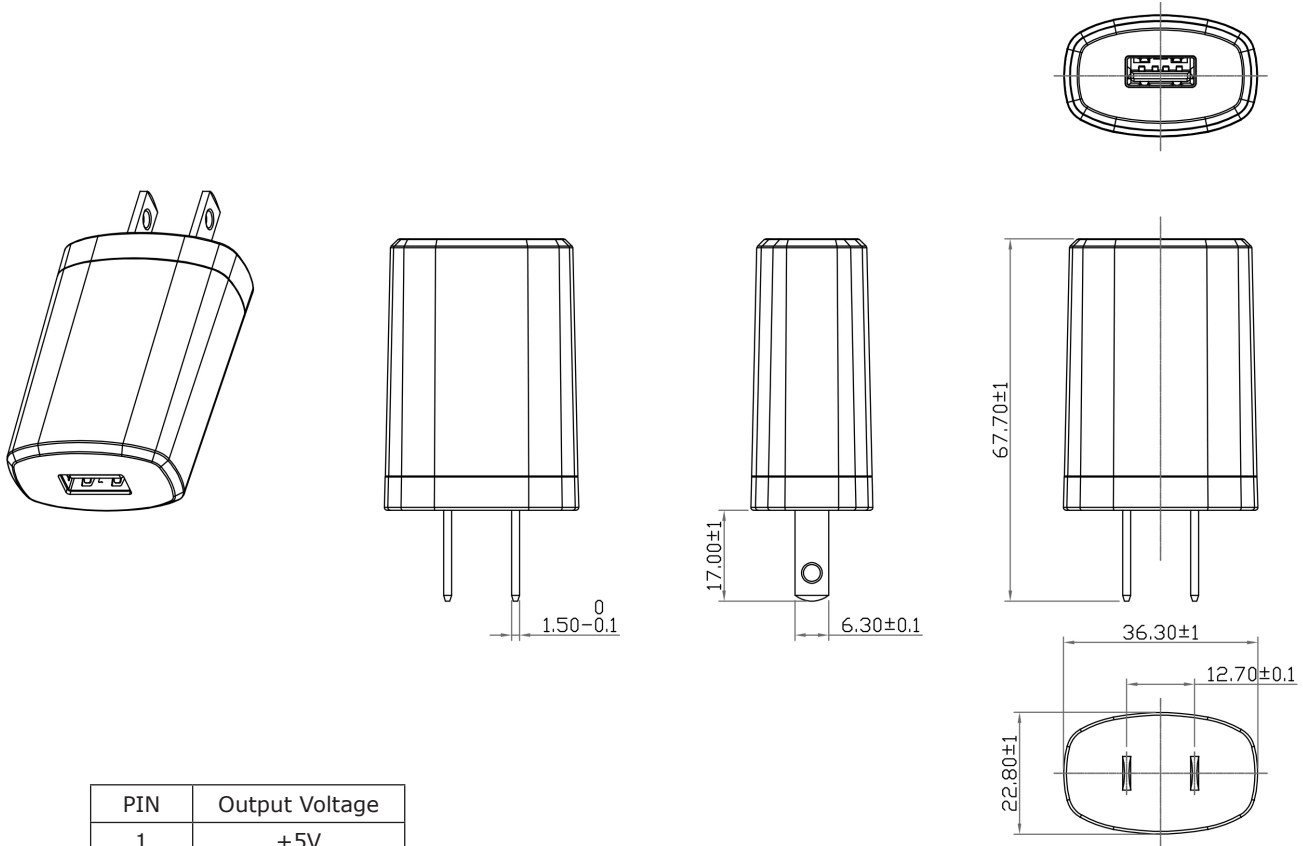
parameter	conditions/description	min	typ	max	units
operating temperature		0		40	°C
storage temperature		-20		60	°C
operating humidity	non-condensing	20		85	%
storage humidity	non-condensing	5		95	%

## MECHANICAL

parameter	conditions/description	min	typ	max	units
dimensions	68.7 x 37 x 23.5				mm
inlet plug	North America, 2-pin				
weight			32		g

## MECHANICAL DRAWING

units: mm



PIN	Output Voltage
1	+5V
2	Short
3	Short
4	GND

The pinout diagram shows a 4-pin connector with the following labels:

- Pin 1: +5V
- Pin 4: GND

## REVISION HISTORY

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rev.	description	date
1.0	initial release	06/01/2020

The revision history provided is for informational purposes only and is believed to be accurate.



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CUI offers a two (2) year limited warranty. Complete warranty information is listed on our website.

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