

SERIES: SWI10-N-USB | **DESCRIPTION:** AC-DC POWER SUPPLY

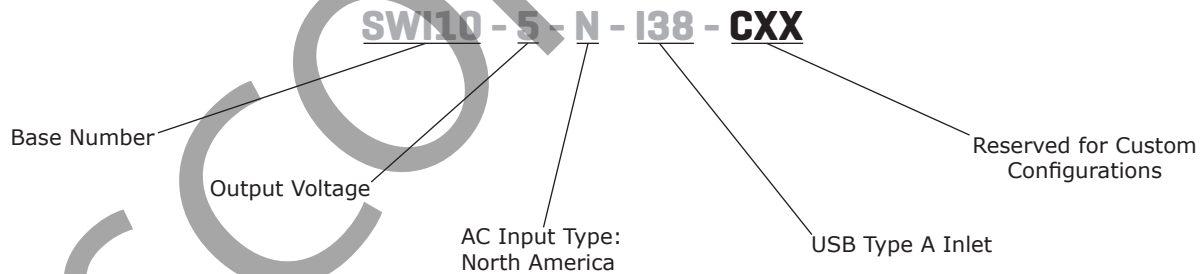
FEATURES

- up to 10 W continuous power
- DoE Level VI, CoC Tier 2 efficiency
- ultra-compact case
- universal input voltage range
- no load power consumption < 0.075 W
- integrated USB connector
- over current, over voltage, and short circuit protections
- UL/cUL, PSE safety approvals



MODEL	output voltage	output current max	output power max	ripple and noise ¹ max	efficiency level ²
	(Vdc)	(A)	(W)	(mVp-p)	
SWI10-5-N-I38	5	2	10	300	VI

Notes: 1. At full load, 25°C, nominal input, 20 MHz bandwidth oscilloscope, output parallel with 0.1 μ F and 10 μ F capacitors to ground.
 2. CoC Tier 2 compliant

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, 60/50 Hz Level VI CoC Tier 2			0.075 0.075	W W

OUTPUT

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

PROTECTIONS

parameter	conditions/description	min	typ	max	units
over voltage protection	with zener clamp			10	Vdc
over current protection	output shut down, auto recovery			4	A
short circuit protection					

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, PSE				
EMI/EMC	FCC Part 15B Class B				
MTBF	as per Telcordia SR-332, Issue 2, at 115/230 Vac, full load, 0~40°C	50,000			hours
RoHS	2011/65/EU				

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	%

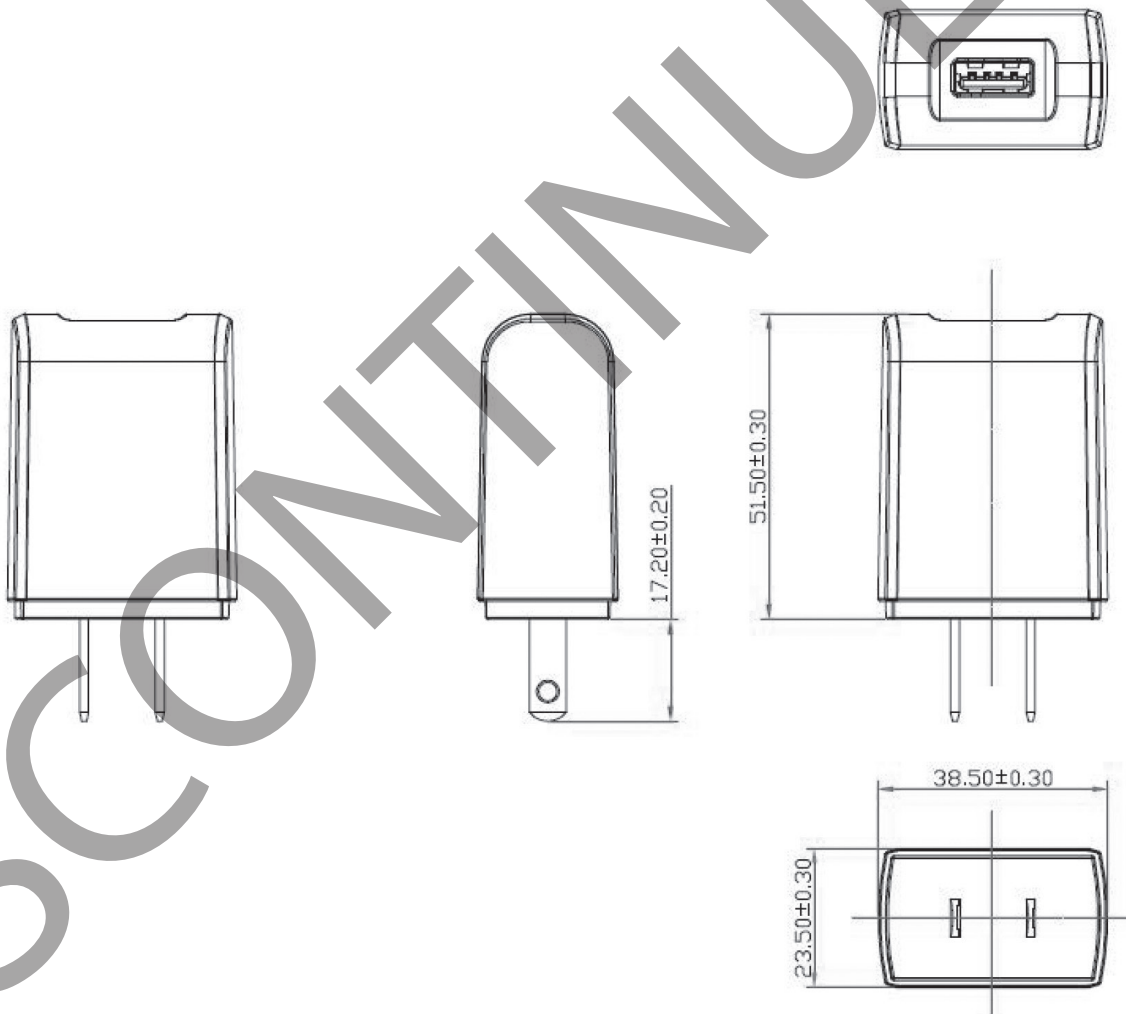
MECHANICAL

parameter	conditions/description	min	typ	max	units
dimensions	51.5 x 38.5 x 23.5				mm
inlet plug	North America, 2-pin				
weight			39		g

MECHANICAL DRAWING

units: mm

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



REVISION HISTORY

rev.	description	date
1.0	initial release	05/02/2016
1.01	updated datasheet	09/16/2016
1.02	company logo updated	09/21/2020

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



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This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

CUI offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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