SERIES: SWI60C-N | **DESCRIPTION:** AC-DC POWER SUPPLY

FEATURES

- up to 60 W continuous power
- meets DoE Level VI efficiency
- universal input voltage range
- no load power consumption < 0.21 W
- over voltage, over current and short circuit protections
- UL 62368 certified
- PD 3.0 compliant
- custom designs available

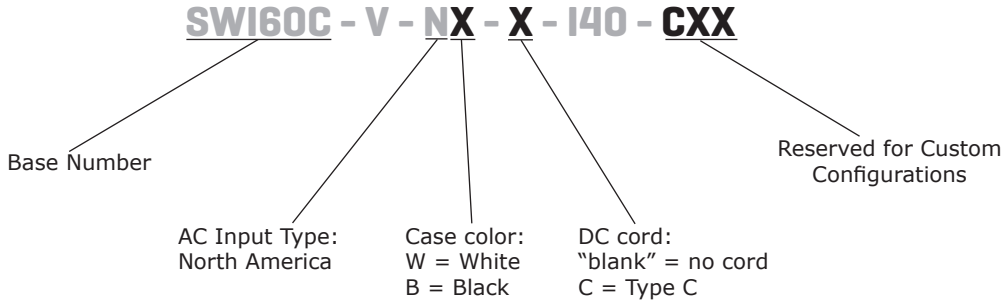


MODEL

MODEL	output voltage (Vdc)	output current max (A)	output power max (W)	ripple and noise[1] max (mVp-p)	efficiency level[2] min (%)
SWI60C-V-N	5	3	15	150	81.39
	9	3	27	150	86.62
	12	3	36	150	87.40
	15	3	45	150	87.73
	20	3	60	200	88.0

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.
2. Average efficiency measured at 25%, 50%, 75%, and 100% load at 115/230 Vac.

PART NUMBER KEY



Please read our datasheet & drawing disclaimer here.

INPUT

parameter	conditions/description	min	typ	max	units
voltage		90	100~240	264	Vac
frequency		47	50~60	63	Hz
current				1.5	A
inrush current	at 240 Vac, 25°C			100	A
leakage current	at 240 Vac			0.25	mA
no load power consumption				0.21	W

OUTPUT

parameter	conditions/description	min	typ	max	units
line regulation			±2		%
load regulation			±5		%
start-up time	at 100 Vac, full load			3	s
rise time	at 115 Vac, full load			40	ms
hold-up time	at 115 Vac, full load	5			ms

PROTECTIONS

parameter	conditions/description	min	typ	max	units
over current protection	auto recovery	3.3		4	A
short circuit protection	auto recovery				

SAFETY & COMPLIANCE

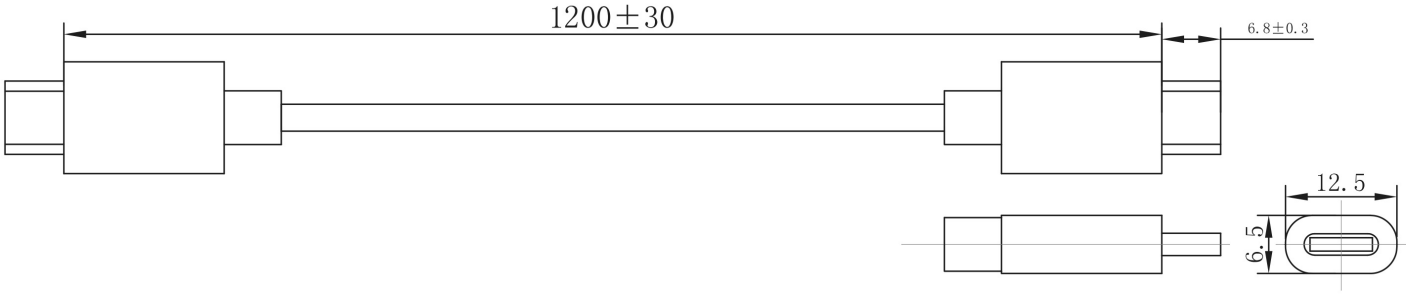
parameter	conditions/description	min	typ	max	units
isolation voltage	input to output for 5 seconds, 5 mA max		3,000		Vac
safety approvals	certified to 62368: UL ETL				
EMI/EMC	FCC Part 15 Class B				
MTBF	as per Telcordia SR-332 at 25°C, nominal input	50,000			hours
RoHS	yes				

ENVIRONMENTAL

parameter	conditions/description	min	typ	max	units
operating temperature		0		25	°C
storage temperature		-40		85	°C
operating humidity	non-condensing	5		95	%

DC CORD

units: mm

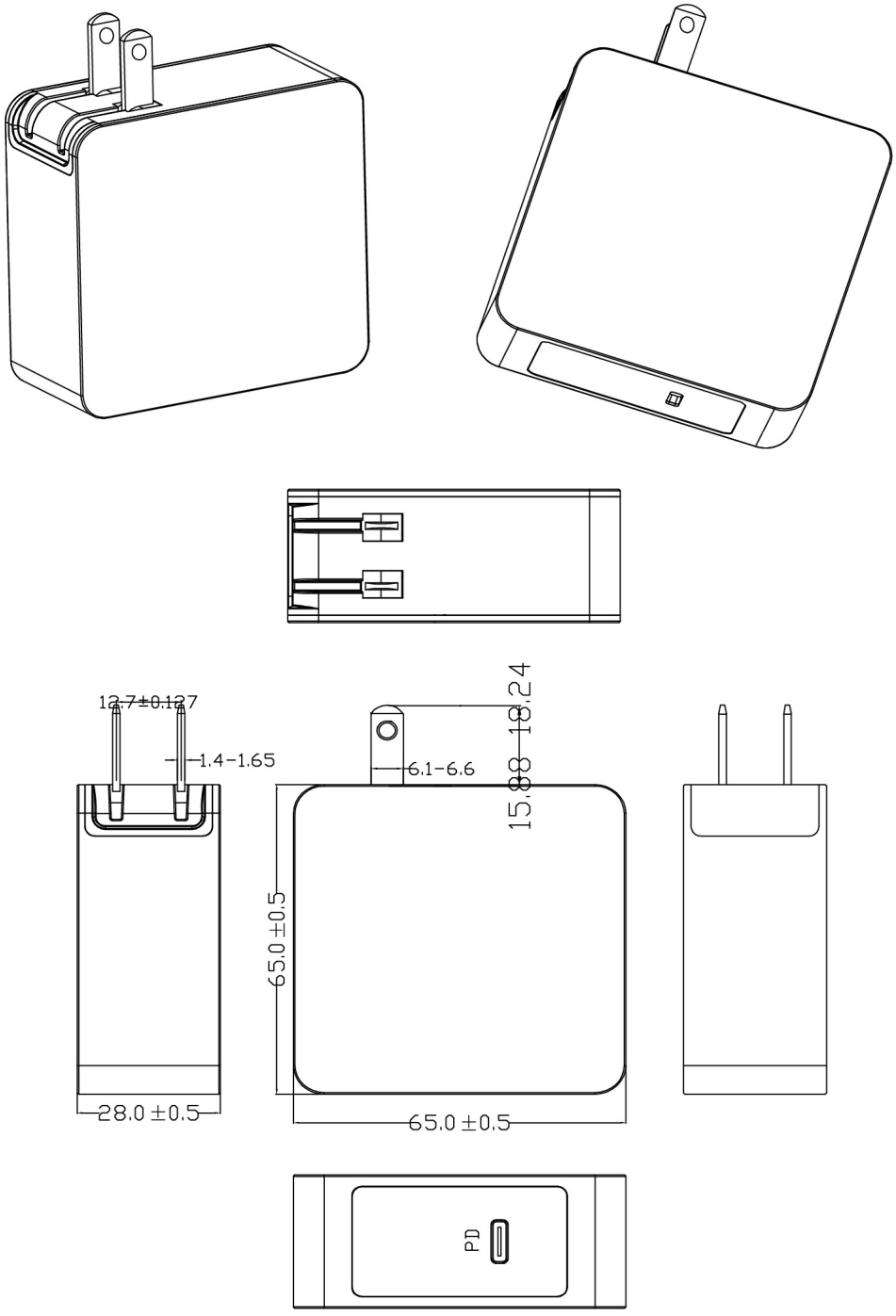


MECHANICAL

parameter	conditions/description	min	typ	max	units
dimensions	65.0 x 65.0 x 28.0				mm
inlet plug	North America, 2-pin				
DC output	USB Type C				

MECHANICAL DRAWING

units: mm



REVISION HISTORY

rev.	description	date
1.0	initial release	07/11/2022
1.01	datasheet updated	12/09/2024

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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