

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



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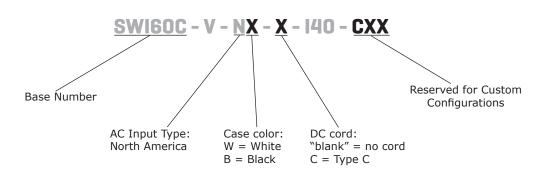


MODEL	output voltage	output current	output power	ripple and noise ¹	efficiency level ²
	(Vdc)	max (A)	max (W)	max (mVp-p)	min (%)
	5	3	15	150	81.39
	9	3	27	150	86.62
SWI60C-V-N	12	3	36	150	87.40
	15	3	45	150	87.73
	20	3	60	200	88.0

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

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INPUT

parameter	conditions/description	min	typ	max	units
voltage		90		264	Vac
frequency		47		63	Hz
current				1.5	А
inrush current	at 240 Vac, 25°C			100	А
leakage current	at 240 Vac			0.25	mA
no load power consumpti	ion			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	А
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	62368: ETL				·
EMI/EMC	FCC Part 15 Class B				
MTBF	as per Telcordia SR-332 at 25°C, nominal input	50,000			hours
RoHS	yes				

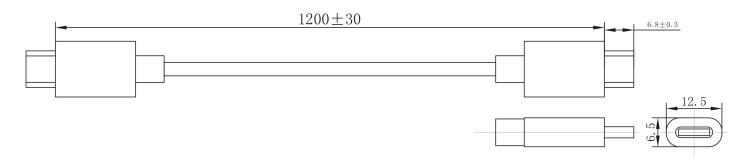
ENVIRONMENTAL

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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



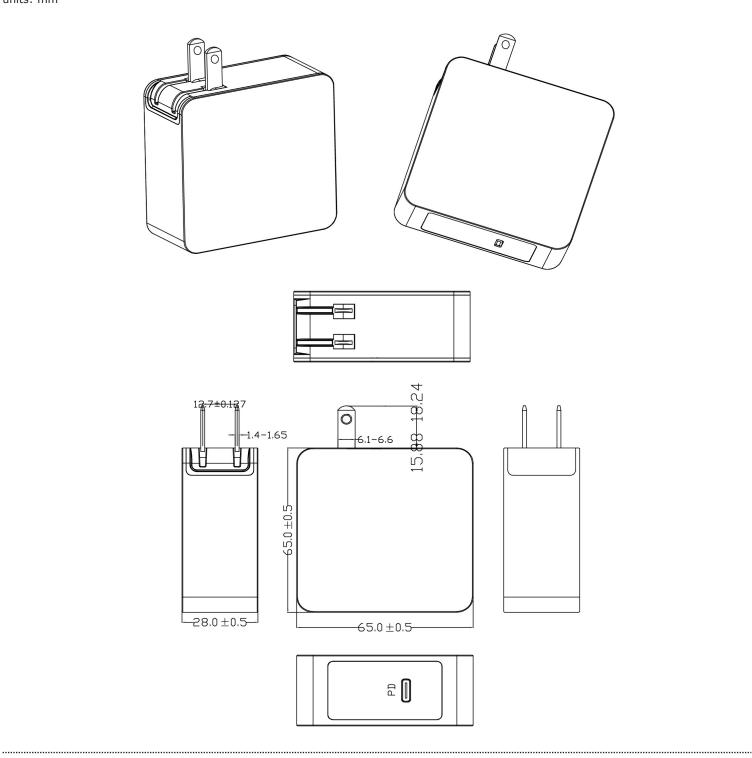
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MECHANICAL

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

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



a be**l** group

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

CUI reserves the right to make changes to the product at any time without notice. Information provided by CUI is believed to be accurate and reliable. However, no responsibility is assumed by CUI for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

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