

SERIES: SMI5-USB | **DESCRIPTION:** AC-DC POWER SUPPLY

FEATURES

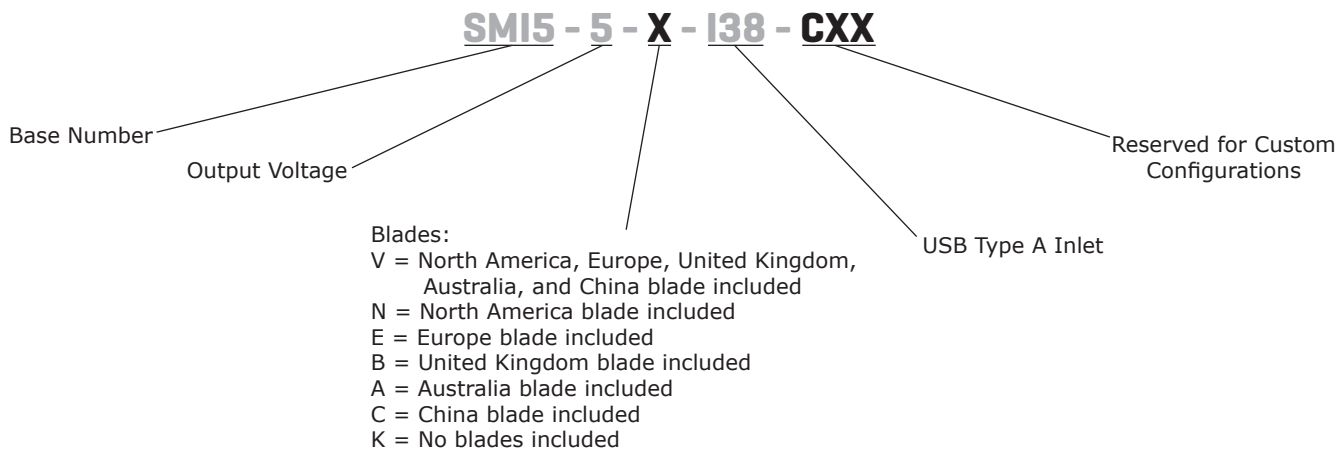
- up to 5 W continuous power
- DoE Level VI, CoC Tier 2 efficiency
- no load power consumption < 0.075 W
- universal input voltage range
- interchangeable Ac blades for global use
- over voltage and short circuit protections
- UL/cUL, RCM, CCC, PSE safety approvals
- UL/EN/IEC 62368 certified



MODEL	output voltage (Vdc)	output current max (A)	output power max (W)	ripple and noise ¹ max (mVp-p)	efficiency level ²
SMI5-5-I38	5	1	5	300	VI

Notes: 1. At full load, nominal Vac input, 25 °C, 20 MHz bandwidth oscilloscope, each output terminated with 0.1 µF and 10 µF capacitors.
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 115/230 Vac			0.2	A
leakage current				0.02	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
line regulation			±5		%
load regulation			±5		%
turn on time				3	s

PROTECTIONS

parameter	conditions/description	min	typ	max	units
over voltage protection				10	Vdc
over current protection	output shut down, auto recovery			1.5	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, RCM, CCC, PSE, UKCA				
EMI/EMC	FCC Part 15B Class B, CE				
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	%

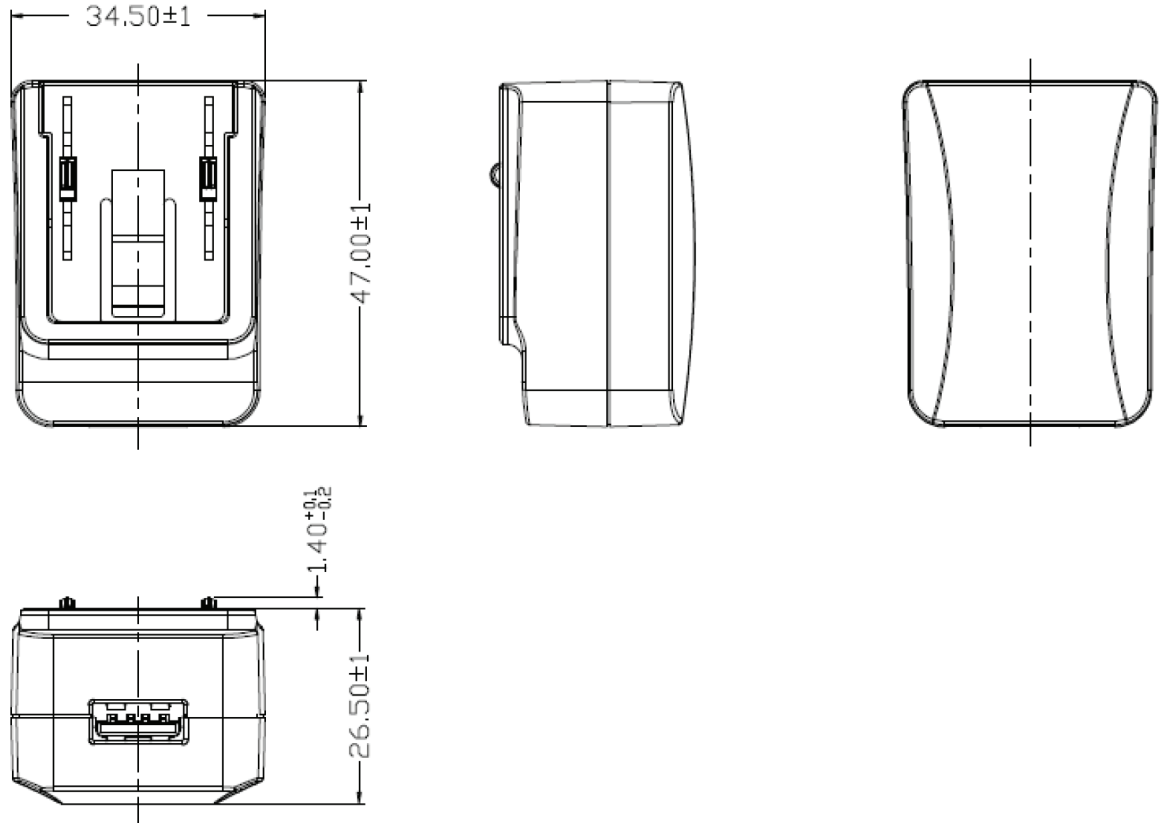
MECHANICAL

parameter	conditions/description	min	typ	max	units
dimensions	47 x 34.5 x 26.5				mm
inlet plug	interchangeable blades (North America, Europe, UK, Australia, China)				
weight				80	g

MECHANICAL DRAWING

units: mm

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



INTERCHANGEABLE BLADES					
BLADE DESIGNATOR	N	E	B	A	C
REGION	North America	Europe	UK	Australia	China
BLADE ACCESSORY	SMI-US-3	SMI-EU-3	SMI-UK-3	SMI-AU-3	SMI-CN-3
BLADE					

REVISION HISTORY

rev.	description	date
1.0	initial release	08/07/2015
1.01	updated datasheet	02/08/2016
1.02	updated datasheet	09/15/2016
1.03	updated datasheet	08/02/2018
1.04	updated features	07/23/2020
1.05	GS removed	04/16/2021
1.06	UKCA added to specification	08/12/2021

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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