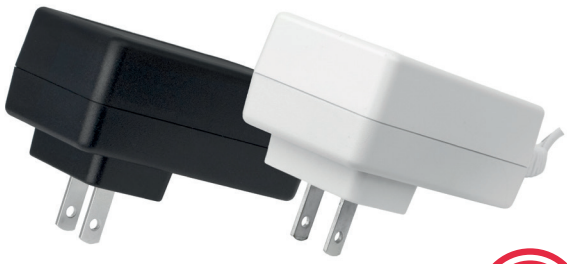
SERIES: SWM36-N | **DESCRIPTION:** AC-DC POWER SUPPLY

FEATURES

- up to 36W continuous power
- meets DoE Level VI efficiency
- universal input voltage range (100~240 Vac)
- over voltage, over current, and short circuit protections
- certified to IEC 60601-1
- UL/cUL safety approvals
- 2x MOPP compliant
- custom designs available

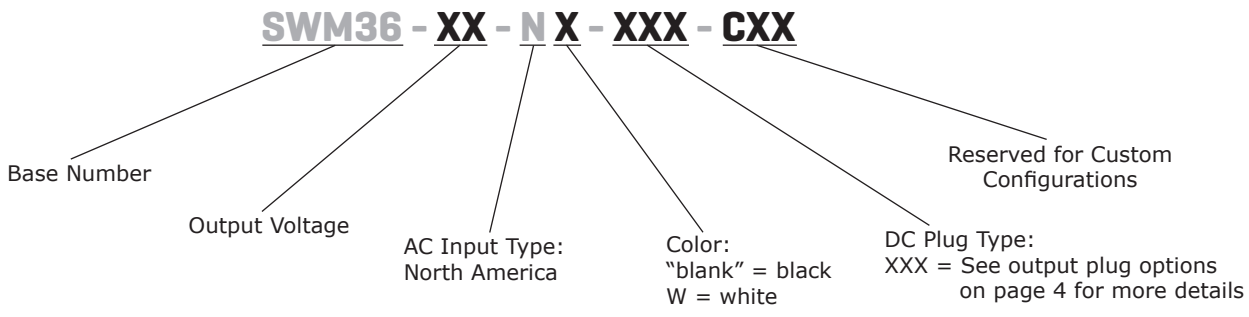


MODEL

MODEL	output voltage (Vdc)	output current max (A)	output power max (W)	ripple and noise[1] max (mVp-p)	efficiency level
SWM36-5-N	5	5.0	25	80	VI
SWM36-9-N	9	4.0	36	90	VI
SWM36-12-N	12	3.0	36	120	VI
SWM36-15-N	15	2.4	36	150	VI
SWM36-24-N	24	1.5	36	240	VI

Notes: 1. At full load, at nominal input, 20 MHz bandwidth oscilloscope, output terminated with a low ESR 47 µF electrolytic and 0.1 µF multilayer capacitor.

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	at 115 Vac, full load, cold start at 230 Vac, full load, cold start			1.0 0.4	A A
inrush current	at 230 Vac, full load, cold start			70	A
leakage current	at 264 Vac, 60 Hz			0.1	mA
no load power consumption	at 115/230 Vac, 60/50 Hz			0.1	W

OUTPUT

parameter	conditions/description	min	typ	max	units
line regulation			±1		%
load regulation	5 Vdc output model all other output models		±6 ±5		% %

PROTECTIONS

parameter	conditions/description	min	typ	max	units
over voltage protection	output shut down 5 Vdc output model 9 Vdc output model 12 Vdc output model 15 Vdc output model 24 Vdc output model			 12 18 22 27 45	 V V V V V
over current protection	output shutdown, auto recovery 5 Vdc output model 9 Vdc output model 12 Vdc output model 15 Vdc output model 24 Vdc output model			 10 8 6 4.8 3	 A A A A A
short circuit protection	output shut down, auto recovery				

SAFETY & COMPLIANCE

parameter	conditions/description	min	typ	max	units
isolation voltage	input to output for 1 minute, 10 mA max		4,000		Vac
safety approvals	certified to 60601: UL (medical) UL/cUL				
EMI/EMC	FCC (conduction & radiation Class B)				
MTBF	as per Telcordia SR-332, at 25°C	300,000			hours
RoHS	yes				

ENVIRONMENTAL

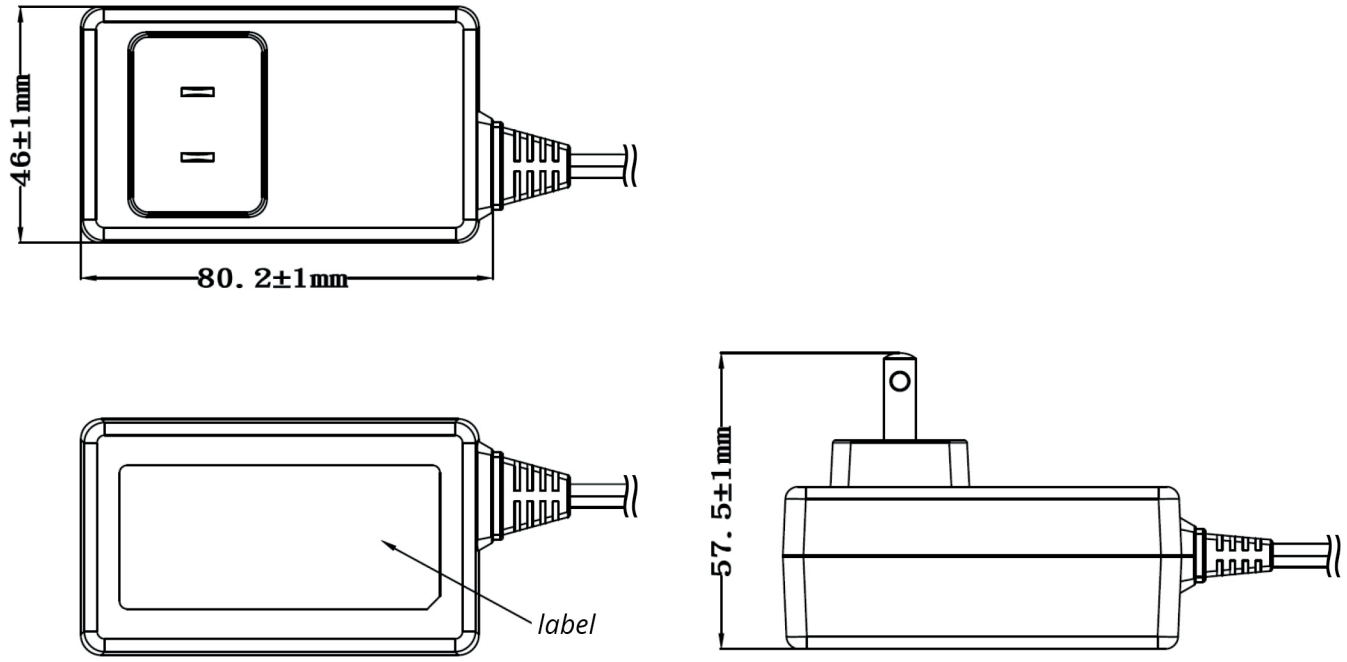
parameter	conditions/description	min	typ	max	units
operating temperature		-20		40	°C
storage temperature		-20		80	°C
operating humidity	non-condensing	20		80	%
storage humidity	non-condensing	10		90	%

MECHANICAL

parameter	conditions/description	min	typ	max	units
dimensions	80.2 x 46.0 x 57.5				mm
inlet plug	North America, 2-pin				
weight			140		g

MECHANICAL DRAWINGS

units: mm
tolerance: ±1 mm



DC CORD

units: mm

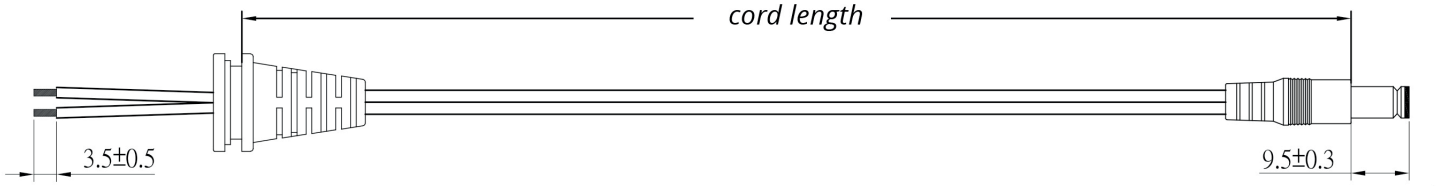
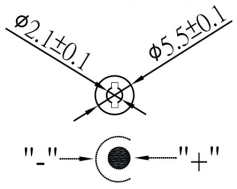


Table 1

MODEL NO.	CABLE	CORD LENGTH
SWM36-5-N	UL2468, 16 AWG	1,000 mm ±30
SWM36-9-N	UL2468, 16 AWG	1,000 mm ±30
SWM36-12-N	UL2468, 18 AWG	1,500 mm ±30
SWM36-15-N	UL2468, 18 AWG	1,500 mm ±30
SWM36-24-N	UL2468, 20 AWG	1,500 mm ±30



DC PLUG TYPE PART NUMBER KEY

X X X

Plug Polarity:
P = Center Positive



N = Center Negative



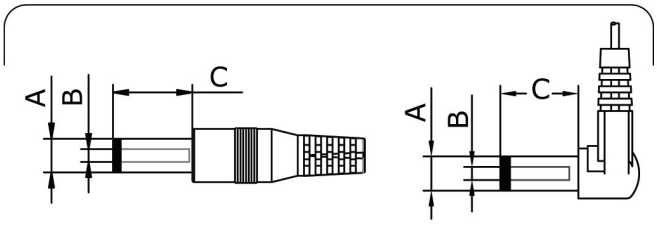
Plug Code:
X = Choose a code from the options below

Plug Angle:
"blank" = Straight
R = Right Angle

Plug Polarity		Code		Dimensions (mm)			Plug Angle	
Center Pos.	Center Neg.	Option	Type	A	B	C	Straight	Right
•	•	5	Standard	5.5	2.1	9.5	•	•
•	•	6	Standard	5.5	2.5	9.5	•	•
•	•	7	Standard	3.5	1.35	9.5	•	•
•	•	10	Locking[2]	5.5	2.1	9.5	•	N/A
•	•	11	Locking[2]	5.5	2.5	9.5	•	N/A
•	•	12	EIAJ-1	2.35	0.7	9.5	•	•
•	•	13	EIAJ-2	4.0	1.7	9.5	•	•
•	•	14	EIAJ-3	4.75	1.7	9.5	•	•

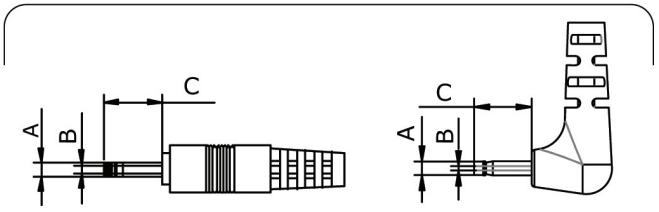
Note: 1. Contact Bel for additional plug options
2. Maximum insertion depth is 10mm

Standard



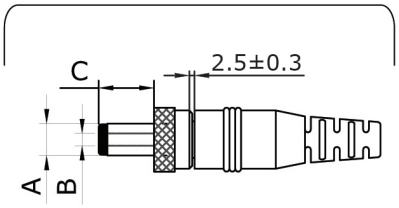
Straight Right Angle (R)

EIAJ



Straight Right Angle (R)

Locking



REVISION HISTORY

rev.	description	date
1.0	initial release	09/21/2026

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.

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.

CUI products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.