

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

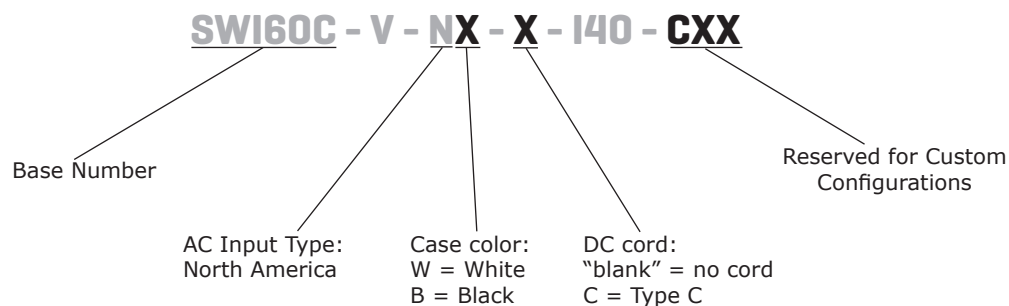
FEATURES

- 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 | output current max | output power max | ripple and noise ¹ max | efficiency level ² min |
|------------|----------------|--------------------|------------------|-----------------------------------|-----------------------------------|
| | (Vdc) | (A) | (W) | (mVp-p) | (%) |
| 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


INPUT

| parameter | conditions/description | min | typ | max | units |
|---------------------------|------------------------|-----|-----|------|-------|
| voltage | | 90 | | 264 | Vac |
| frequency | | 47 | | 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

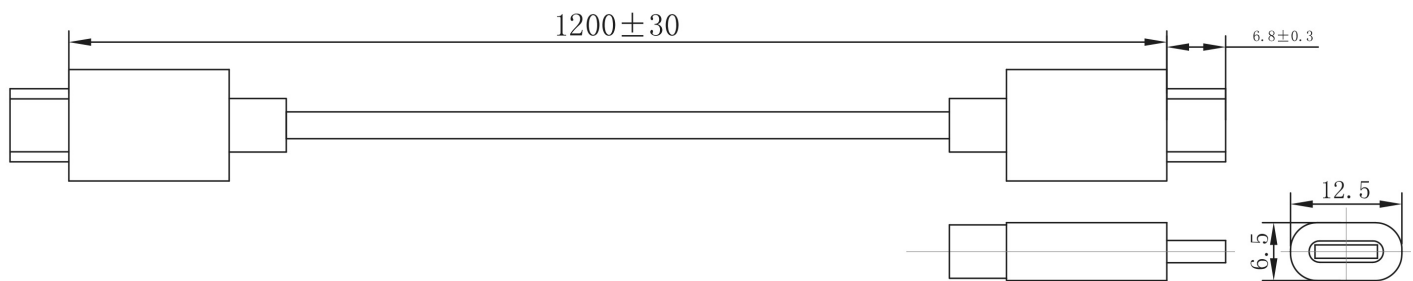
| parameter | conditions/description | min | typ | max | units |
|-------------------|--|--------|-------|-----|-------|
| isolation voltage | input to output for 5 seconds, 5 mA max | | 3,000 | | Vac |
| safety approvals | 62368: ETL | | | | |
| EMI/EMC | FCC Part 15 Class B | | | | |
| MTBF | as per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

ENVIRONMENTAL

| 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

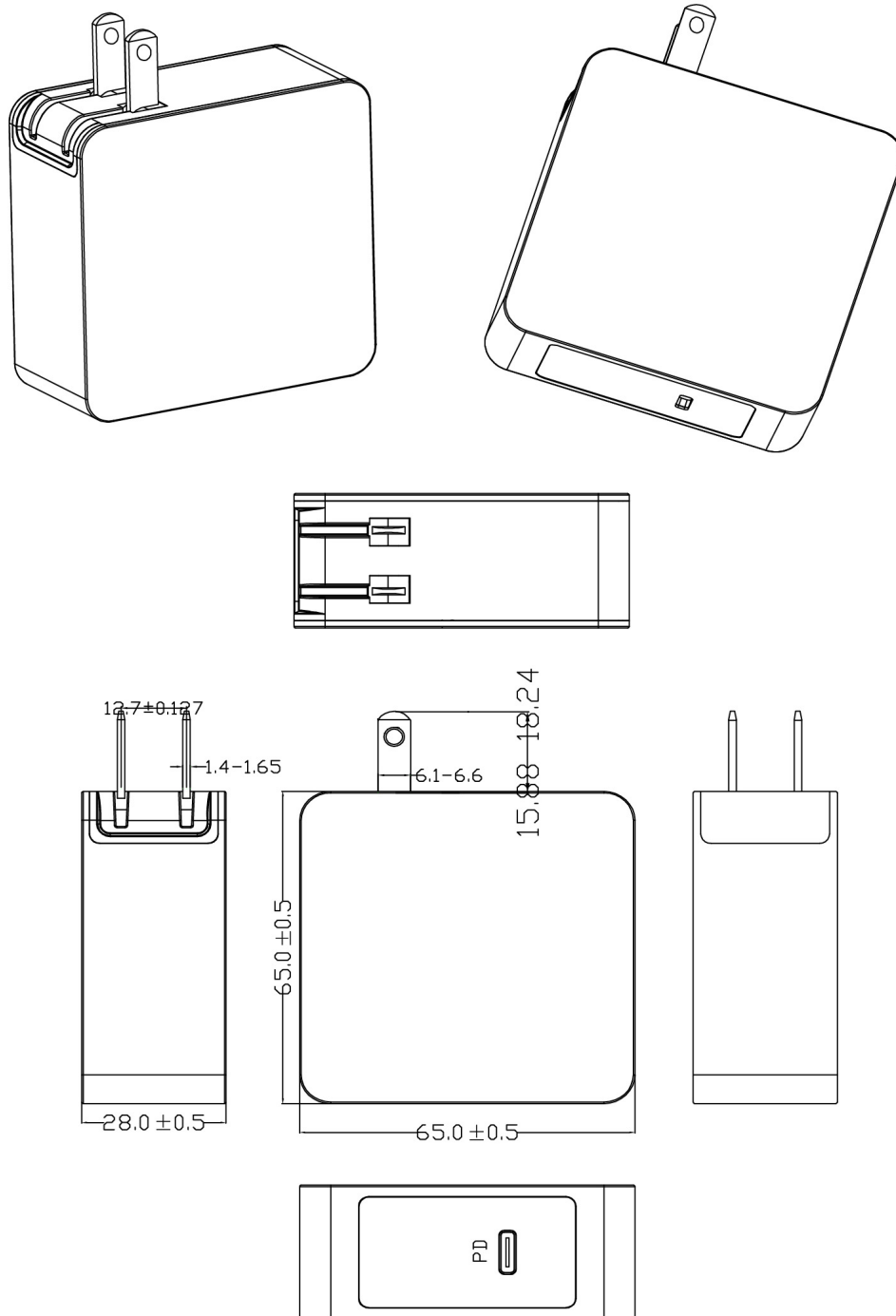


MECHANICAL

| 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 |

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



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