| | |
|---|---|
| *Country of Origin :* | China |
| *Operating Temperature :* | 0~40 [°C] |
| *Dimension :* | 75 x 34 x 43 [mm] |
| *Efficiency level (ErP) :* | VI |

*Approvals / Marks :*

CE | TÜV Rheinland ZERTIFIZIERT | GS | TECEE CB SCHEME

## Specifications

| Model | Voltage DC [V] | Loading [A] | Max. Power [W] | Ripple / Noise [mV] p-p | Connector [mm] |
|---|---|---|---|---|---|
| SYS1308N-1505-Wxx | 5 | 0~3.00 | 15 | 150 | 2.1x5.5x11 |
| SYS1308N-1807-Wxx | 7.5 | 0~2.40 | 18 | 180 | 2.1x5.5x11 |
| SYS1308N-1809-Wxx | 9 | 0~2.00 | 18 | 180 | 2.1x5.5x11 |
| SYS1308N-2412-Wxx | 12 | 0~2.00 | 24 | 200 | 2.1x5.5x11 |
| SYS1308N-2415-Wxx | 15 | 0~1.60 | 24 | 200 | 2.1x5.5x11 |
| SYS1308N-2418-Wxx | 18 | 0~1.33 | 24 | 240 | 2.1x5.5x11 |
| SYS1308N-2424-Wxx | 24 | 0~1.00 | 24 | 240 | 2.1x5.5x11 |
| SYS1308N-2448-Wxx (ErP V. / CE only) | 48 | 0~0.50 | 24 | 480 | 2.1x5.5x11 |

## Features:

Certified plugs Wxx = W2E - Europe | W3U - England | W2 - USA, Canada, Japan,Taiwan | W2A - Australia | W2K - Korea | W2C - China

Output connector: standard: 2.1 x 5.5 x 11mm or customer requirement  |  Regulated Output With Low Ripple Noise  |  Safety Agency Requirements and EMI/EMS Certified
Private Label Marking Available  |  Modified and Custom Design Available  |  2 Years Warranty

## OUTPUT

| | |
|---|---|
| **Turn delay** | 3000ms max 3S max on the condition that input volotage 230V, full load. |
| **Hold up time** | 5ms min@AC nominal input@output full load |
| **Efficiency** | >81.39% min. Eff= 0.071 x In(Po/1W) - 0.0014 x Po/1W + 0.67<br>Directive EU 2019/1782 |
| **Transient response (dv,tmax)** | 0.6V dv max At AC nominal input loading from 20%load to 80% load |
| | 10ms tmax Dynamic rise time 10 us max,duty 40ms max,Dynamic load step is slew rate of 0.5A/us |
| **Burn in limit** | Ambient temp: 35C+-3%; 80% load; input voltage 230V; 2 hours. |
| **Power consumption** | 0.1W max. At AC nominal input@output min load |

## INPUT

| | |
|---|---|
| **Voltage** | (90~264)VAC |
| **Frequency** | (47 ~ 63)Hz |
| **Current** | 1A rms@AC low line input and DC output full load |
| **Inrush Surge Current (cold start)** | 60A max@power supply cold start, ambient temperature 25°C @100Vac/240Vac nominal AC input |
| **leakage current** | <0.25 mA @ 240VAC input |

## PROTECTION

| | |
|---|---|
| **Over current/ Short protection** | The power supply will self-protect any output to ground, And auto recovery when abnormal circuit faults remove. An output short circuit is defined as any output impedance of less than 0.1 ohms. |
| **Over Voltage** | The power supply will not be auto recovered when faults remove 110%-150%. (Voltage limit) |
| **Input protection** | 2A /250V Fuse. The power supply shall be protected against power line surges and any abnormal condition |
| **No Load protection** | The power supply is provided with no load operation to prevent the power supply and system from damage. |
| **Protection class** | II |

## CE

| | |
|---|---|
| **EMC** | 2014/30/EU |
| **LVD** | 2014/35/EU<br>EN 62368-1 |

## SAFETY

CE | CB | TUV/GS

## OTHERS

| | |
|---|---|
| **Dielectric Strength (Hi-pot)** | HI-POT B / IEC 320 2pin primary to secondary 4000Vdc 10mA 1min |
| **M.T.B.F** | 500,000 Calculated Hours at 25°C, by Telcordia SR -332 |
| **Cable Length** | 1830mm (6 feet) standard cable or as required |
| **PLD (power line disturbance)** | Line power surge | Line voltage SAG-more info on request |
| **Cooling method** | Natural Convection Cooling |
| **Housing material** | PC |
| **Temperature coefficient:** | <±0.5%/°C |

## ENVIRONMENT

| | |
|---|---|
| **Temperature** | Operating: 0~40°C / Storage: -20%~85%RH non condensing |
| **Humidity** | Operating: 8%~90%RH / Storage: 5%~95% RH non condensing |

## WEIGHT

NW: 116-133g/pc based on the model

GW: cca 12kg based on the model

## PACKING

| | |
|---|---|
| **Box** | 80 pcs/1 box |

**Mechanical case specification:**



43.00±0.50

18.50±0.50

75.00±0.50

34.00±0.50
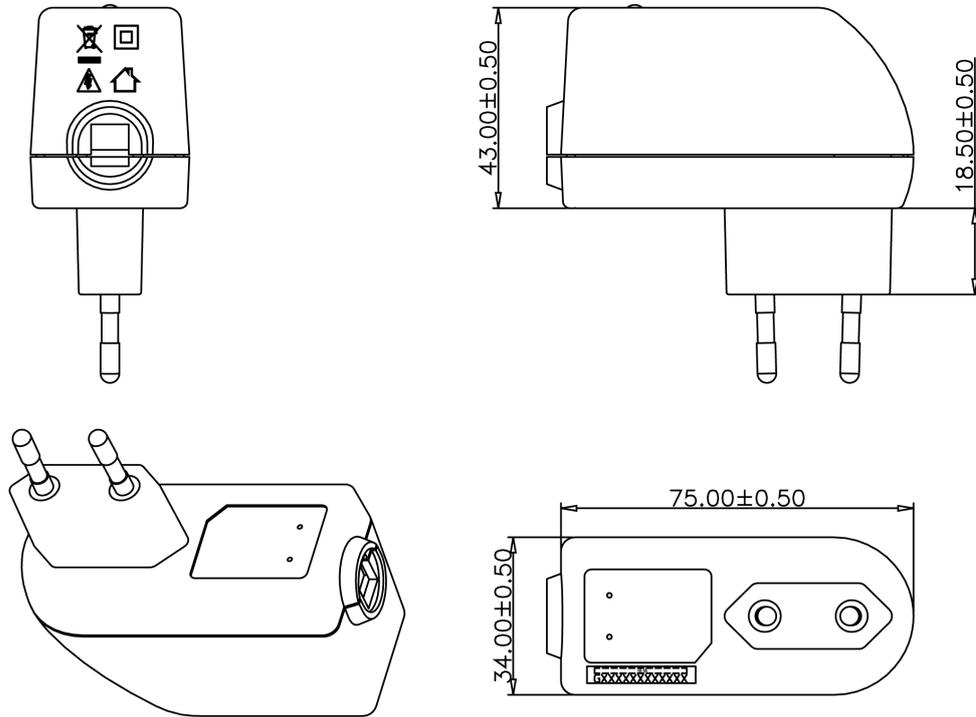
**Mechanical specification (country housing):**

| Europe type (W2E) | US / Japan type (W2) | Australia type (W2A) | UK type (W3U) |
|---|---|---|---|



75.00±0.50 | 34.00±0.50 | 51.25
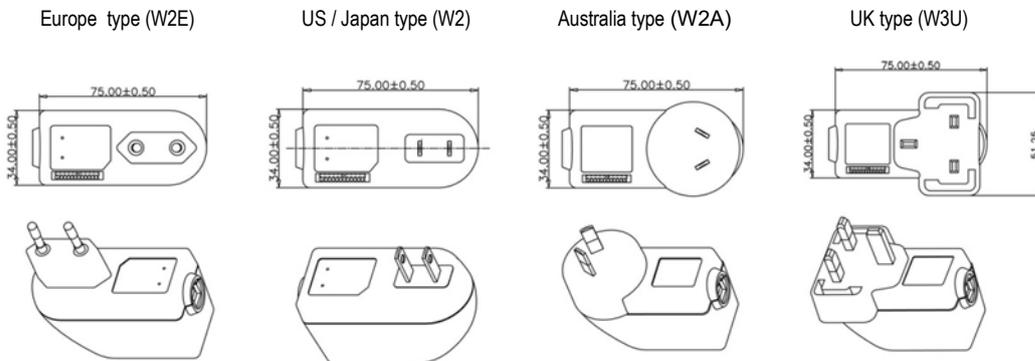
**Cable specification:**

1185#20*1C + shield / 6FT (1830mm)



Dia.1.3MAX
AFTER TINNED

WHITE

$1830^{+100}_{-0}$(6FEET)

LOCKING

① ② ③ ④ ⑤

8

SHIELD

3MAX
10MAX

$20^{+5}_{-0}$　80±15　90 MAX　80±20
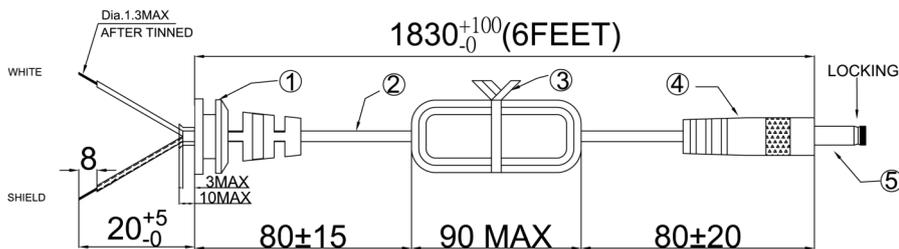
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