



**5W Wall Mount power supply < GS05U-USB**



- Features :
  - Universal AC input / Full range
  - 2 pole USA plug
  - No load power consumption <0.075W
  - **Energy efficiency Level VI**
  - Comply with EISA 2007/DoE
  - Compact size
  - Class II power (without earth pin)
  - Protections: Short circuit / Overload / Over voltage / Over temperature
  - Pass LPS
  - 100% full load burn-in test
  - Fully enclosed plastic case
  - Low cost, high reliability
  - 2 years warranty



**SPECIFICATION**

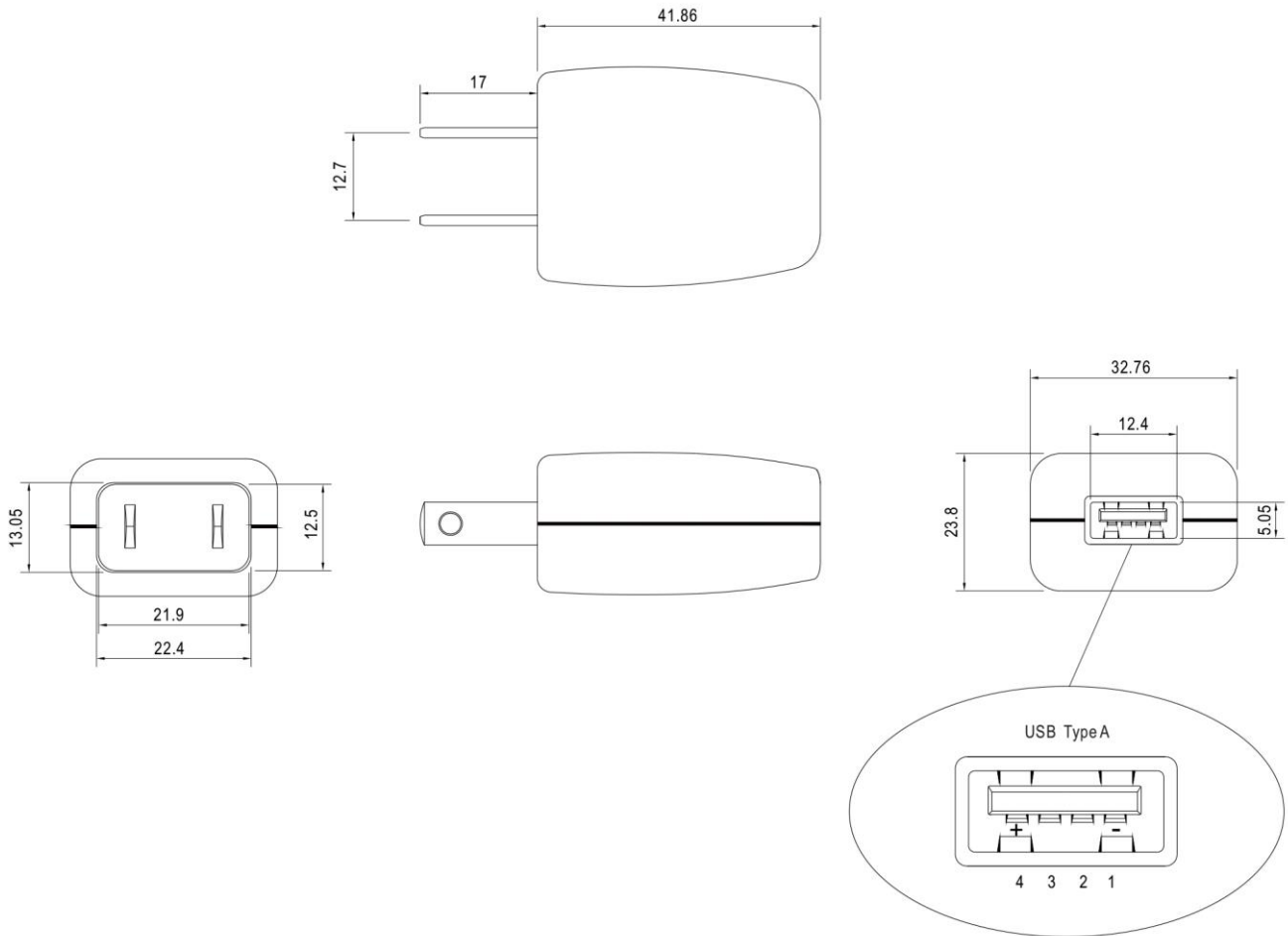
| ORDER NO.                 | GS05U-USB  |  |
|---------------------------|--|--|
| OUTPUT                    | SAFETY MODEL NO.   | GS05U  |
|                           | DC VOLTAGE <span style="float: right;">Note.2</span>   | 5V   |
|                           | RATED CURRENT  | 1.00A  |
|                           | CURRENT RANGE  | 0 ~ 1.00A  |
|                           | RATED POWER  | 5W   |
|                           | RIPPLE & NOISE (max.) <span style="float: right;">Note.3</span>  | 90mVp-p  |
|                           | VOLTAGE TOLERANCE <span style="float: right;">Note.4</span>  | ±5.0%  |
|                           | LINE REGULATION <span style="float: right;">Note.5</span>  | ±1.0%  |
|                           | LOAD REGULATION <span style="float: right;">Note.6</span>  | ±5.0%  |
|                           | SETUP, RISE, HOLD UP TIME  | 1500ms, 20ms, 5ms at full load   |
| INPUT                     | VOLTAGE RANGE  | 90 ~ 264VAC 127 ~ 370VDC   |
|                           | FREQUENCY RANGE  | 47 ~ 63Hz  |
|                           | EFFICIENCY (Typ.)  | 74%  |
|                           | AC CURRENT   | 0.2A / 100VAC  |
|                           | INRUSH CURRENT (max.)  | 35A / 230VAC   |
|                           | LEAKAGE CURRENT(max.)  | 0.25mA / 240VAC  |
| PROTECTION                | OVERLOAD   | 105 ~ 135% rated output power<br>Protection type : Hiccup mode, recovers automatically after fault condition is removed                              |
|                           | OVER VOLTAGE   | 105 ~ 160% rated output voltage, detect on main control IC<br>Protection type : Hiccup mode, recovers automatically after fault condition is removed |
|                           | OVER TEMPERATURE   | Shut down o/p voltage, recovers automatically after temperature goes down  |
| ENVIRONMENT               | WORKING TEMP.  | -20 ~ +50°C (Refer to "Derating curve")  |
|                           | WORKING HUMIDITY   | 20% ~ 90% RH non-condensing  |
|                           | STORAGE TEMP., HUMIDITY  | -20 ~ +85°C, 10 ~ 95% RH   |
|                           | TEMP. COEFFICIENT  | ±0.03% / °C (0 ~ 40°C)   |
|                           | VIBRATION  | 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes  |
| SAFETY & EMC<br>(Note. 7) | SAFETY STANDARDS   | UL62368-1, CSA C22.2 approved  |
|                           | WITHSTAND VOLTAGE  | I/P-O/P:4242VDC  |
|                           | ISOLATION RESISTANCE   | I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH   |
|                           | EMI CONDUCTION & RADIATION   | Compliance to FCC part 15 Class B  |
| OTHERS                    | MTBF   | 1100Khrs min. MIL-HDBK-217F(25°C)  |
|                           | DIMENSION  | 41.86*32.76*23.8mm (L*W*H)   |
|                           | PACKING  | 39g ; 102pcs / 5Kg / CARTON  |
| CONNECTOR                 | PLUG   | USB Type A   |
| NOTE                      | 1.All parameters are specified at 115VAC input, rated load, 25°C 70% RH ambient.<br>2.DC voltage: The output voltage set at point measure by plug terminal & 50% load.<br>3.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor.<br>4.Tolerance: includes set up tolerance, line regulation, load regulation.<br>5.Line regulation is measured from low line to high line at rated load.<br>6.Load regulation is measured from 0% to 100% rated load<br>7.The power supply is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives. For guidance on how to perform these EMC tests, please refer to "EMI testing of component power supplies." |  |



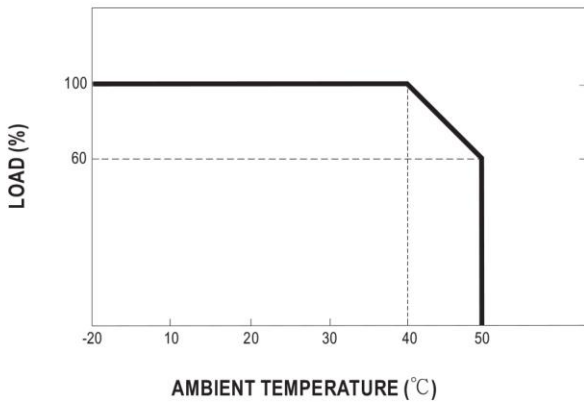
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**Mechanical Specification**

Unit:mm



**Derating Curve**



**Static Characteristics**

