



## 5W AC-DC Single Output Wall-mounted type

# GS05U-USB



### ■ Features :

- Universal AC input / Full range
- No load power consumption <0.3W
- Compact size
- Meet EISA 2007 (Energy Independence and Security Act)
- 2 pole USA plug
- 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

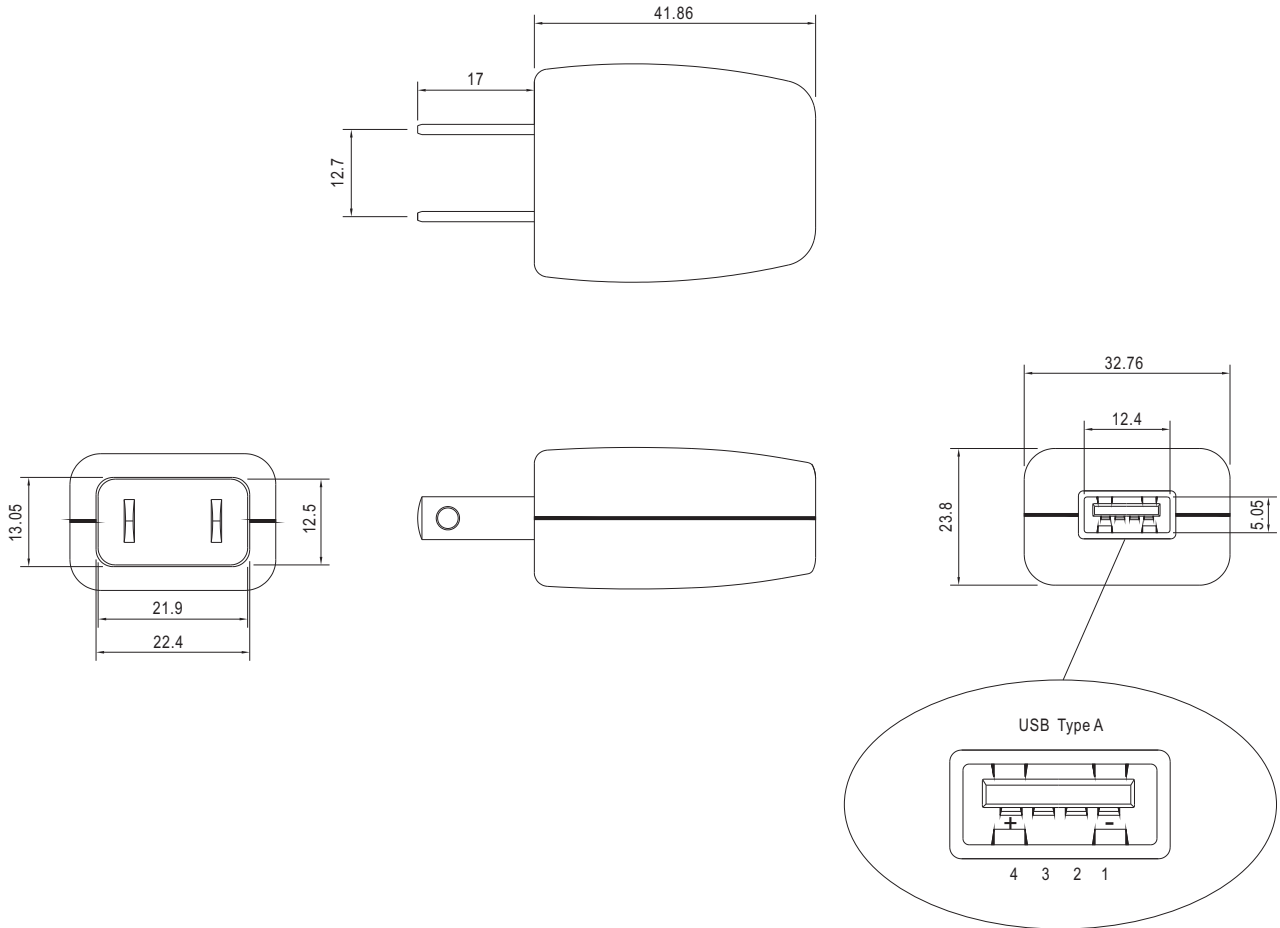


### SPECIFICATION

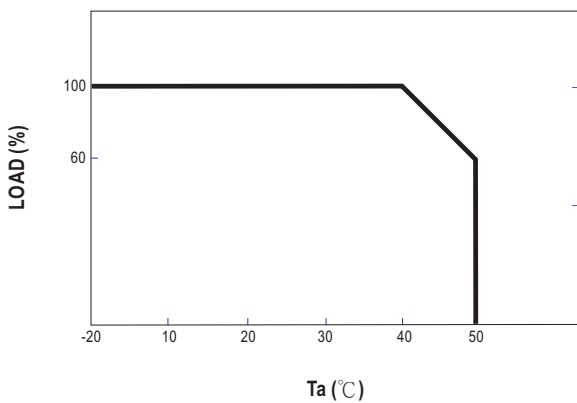
ORDER NO.		GS05U-USB
OUTPUT	SAFETY MODEL NO.	GUSB05
	DC VOLTAGE <small>Note.2</small>	5V
	RATED CURRENT	1.00A
	CURRENT RANGE	0 ~ 1.00A
	RATED POWER	5W
	RIPPLE & NOISE (max.) <small>Note.3</small>	90mVp-p
	VOLTAGE TOLERANCE <small>Note.4</small>	±4.0%
	LINE REGULATION <small>Note.5</small>	±1.0%
	LOAD REGULATION <small>Note.6</small>	±4.0%
SETUP, RISE, HOLD UP TIME		1500ms, 20ms, 15ms at full load
INPUT	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY (Typ.) <small>Note.7</small>	69%
	AC CURRENT	0.15A / 100VAC
	INRUSH CURRENT (max.)	35A / 230VAC
LEAKAGE CURRENT(max.)	0.25mA / 240VAC	
PROTECTION	OVERLOAD	105 ~ 135% rated output voltage power Protection type : Hiccup mode, recovers automatically after fault condition is removed
	OVER VOLTAGE	105 ~ 160% rated output voltage, detect on main control IC Protection type : Hiccup mode, recovers automatically after fault condition is removed
	OVER TEMPERATURE	U1 Tj 135°C typically (U1) detect on main control IC Protection type : 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 ~ 50°C)
VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes	
SAFETY & EMC <small>(Note. 8)</small>	SAFETY STANDARDS	UL60950-1, CSA22.2 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	26g ; 102pcs / 5Kg / CARTON
CONNECTOR	PLUG	USB Type A
NOTE	<p>1.All parameters are specified at 115VAC input, rated load, 25°C 70% RH ambient.                  2.DC voltage: The output voltage set at point measure by plug terminal &amp; 50% load.                  3.Ripple &amp; noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf &amp; 47uf capacitor.                  4.Tolerance: includes set up tolerance, line regulation, load regulation.                  5.Line regulation is measured from low line to high line at rated load.                  6.Load regulation is measured from 0% to 100% rated load                  7.Efficiency is measured at 115VAC.                  8.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.</p>	

■ Mechanical Specification

Unit:mm



■ Derating Curve



■ Static Characteristics

