5W AC-DC Industrial Adaptor

GS05U-USB

■ Features :

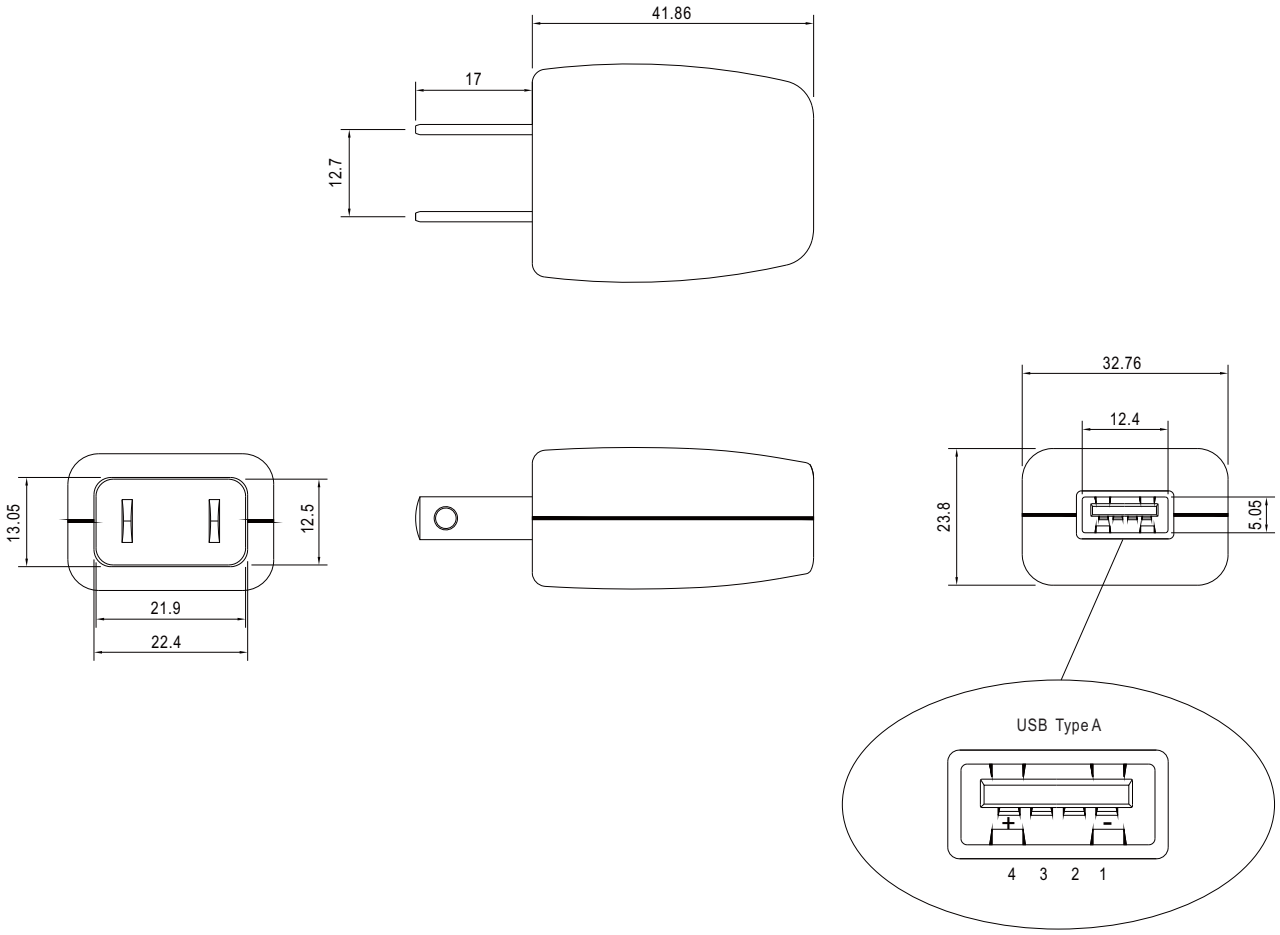
- Universal AC input / Full range
- No load power consumption <0.3W
- Energy efficiency Level Ⅴ
- Comply with EISA 2007
- Compact size
- 2 pole USA plug
- Class Ⅱ power (without earth pin)
- Protections: Short circuit / Overload / Over voltage / Over temperature
- Pass LPS
- 100% full load burn-in test
- Fully enclosed plastic case
- Low cost, high reliability
- 2 years warranty

SPECIFICATION

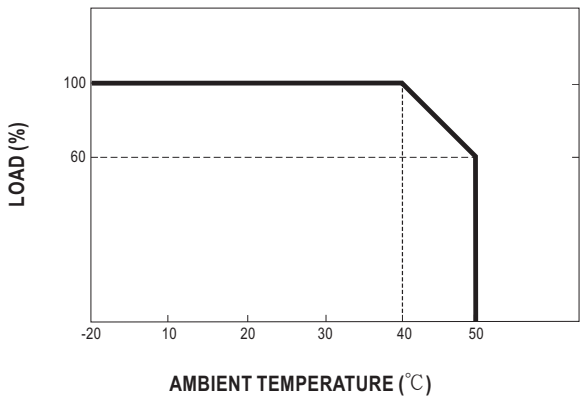
ORDER NO.		GS05U-USB
OUTPUT	SAFETY MODEL NO.	GS05U
	DC VOLTAGE Note.2	5V
	RATED CURRENT	1.00A
	CURRENT RANGE	0 ~ 1.00A
	RATED POWER	5W
	RIPPLE & NOISE (max.) Note.3	90mVp-p
	VOLTAGE TOLERANCE Note.4	±4.0%
	LINE REGULATION Note.5	±1.0%
	LOAD REGULATION Note.6	±4.0%
	SETUP, RISE, HOLD UP TIME	1500ms, 20ms, 15ms at full load
INPUT	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY (Typ.)	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℃ 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℃ (Refer to "Derating curve")
	WORKING HUMIDITY	20% ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-20 ~ +85℃, 10 ~ 95% RH
	TEMP. COEFFICIENT	±0.03% / ℃ (0 ~ 40℃)
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
SAFETY & EMC (Note. 7)	SAFETY STANDARDS	UL60950-1, CSA C22.2 approved
	WITHSTAND VOLTAGE	I/P-O/P:4242VDC
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25℃ / 70% RH
	EMI CONDUCTION & RADIATION	Compliance to FCC part 15 Class B
OTHERS	MTBF	1100Khrs min. MIL-HDBK-217F(25℃)
	DIMENSION	41.86*32.76*23.8mm (L*W*H)
	PACKING	26g ; 102pcs / 5Kg / CARTON
CONNECTOR	PLUG	USB Type A
NOTE	1.All parameters are specified at 115VAC input, rated load, 25℃ 70% RH ambient. 2.DC voltage: The output voltage set at point measure by plug terminal & 50% load. 3.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 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.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.” (as available on http://www.meanwell.com)	

■ Mechanical Specification

Unit:mm



■ Derating Curve



■ Static Characteristics