



5W AC-DC Industrial Adaptor

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

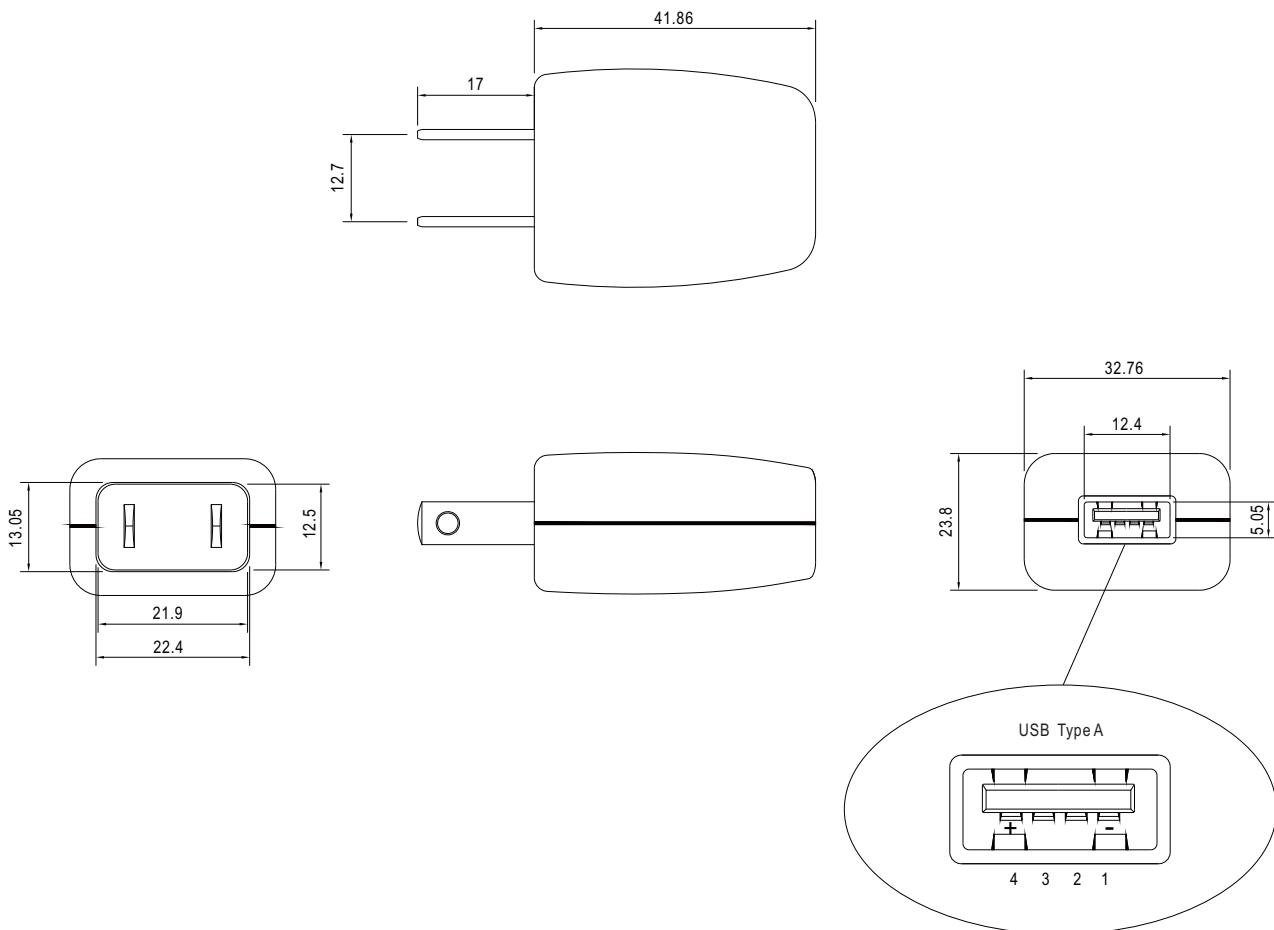


SPECIFICATION

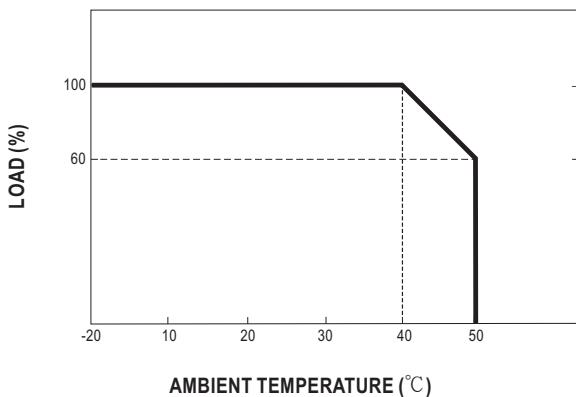
ORDER NO.	GS05U-USB
OUTPUT	SAFETY MODEL NO. GS05U
	DC VOLTAGE Note.2 5V
	RATED CURRENT 1.00A
	CURRENT RANGE 0 ~ 1.00A
	RATED POWER 5W
	RIPPLE & NOISE (max.) Note.3 90mVp-p
	VOLTAGE TOLERANCE Note.4 $\pm 5.0\%$
	LINE REGULATION Note.5 $\pm 1.0\%$
	LOAD REGULATION Note.6 $\pm 5.0\%$
SETUP, RISE, HOLD UP 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 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 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 $\pm 0.03\% / ^\circ\text{C}$ (0 ~ 40°C)
	VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
SAFETY & EMC (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	<p>1. All parameters are specified at 115VAC input, rated load, 25°C 70% RH ambient.</p> <p>2. DC voltage: The output voltage set at point measure by plug terminal & 50% load.</p> <p>3. Ripple & noise are measured at 20MHz by using a 12' twisted pair terminated with a 0.1uf & 47uf capacitor.</p> <p>4. Tolerance: includes set up tolerance, line regulation, load regulation.</p> <p>5. Line regulation is measured from low line to high line at rated load.</p> <p>6. Load regulation is measured from 0% to 100% rated load</p> <p>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)</p> <p>※ Product Liability Disclaimer : For detailed information, please refer to https://www.meanwell.com/serviceDisclaimer.aspx</p>

■ Mechanical Specification

Unit:mm



■ Derating Curve



■ Static Characteristics

