



5W Wall Mount power supply < GS05E-USB



- Features :
 - Universal AC input / Full range
 - 2 pole Euro plug
 - No load power consumption <0.075W
 - **Energy efficiency Level VI**
 - Comply with EU ErP and meet CoC version 5
 - 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

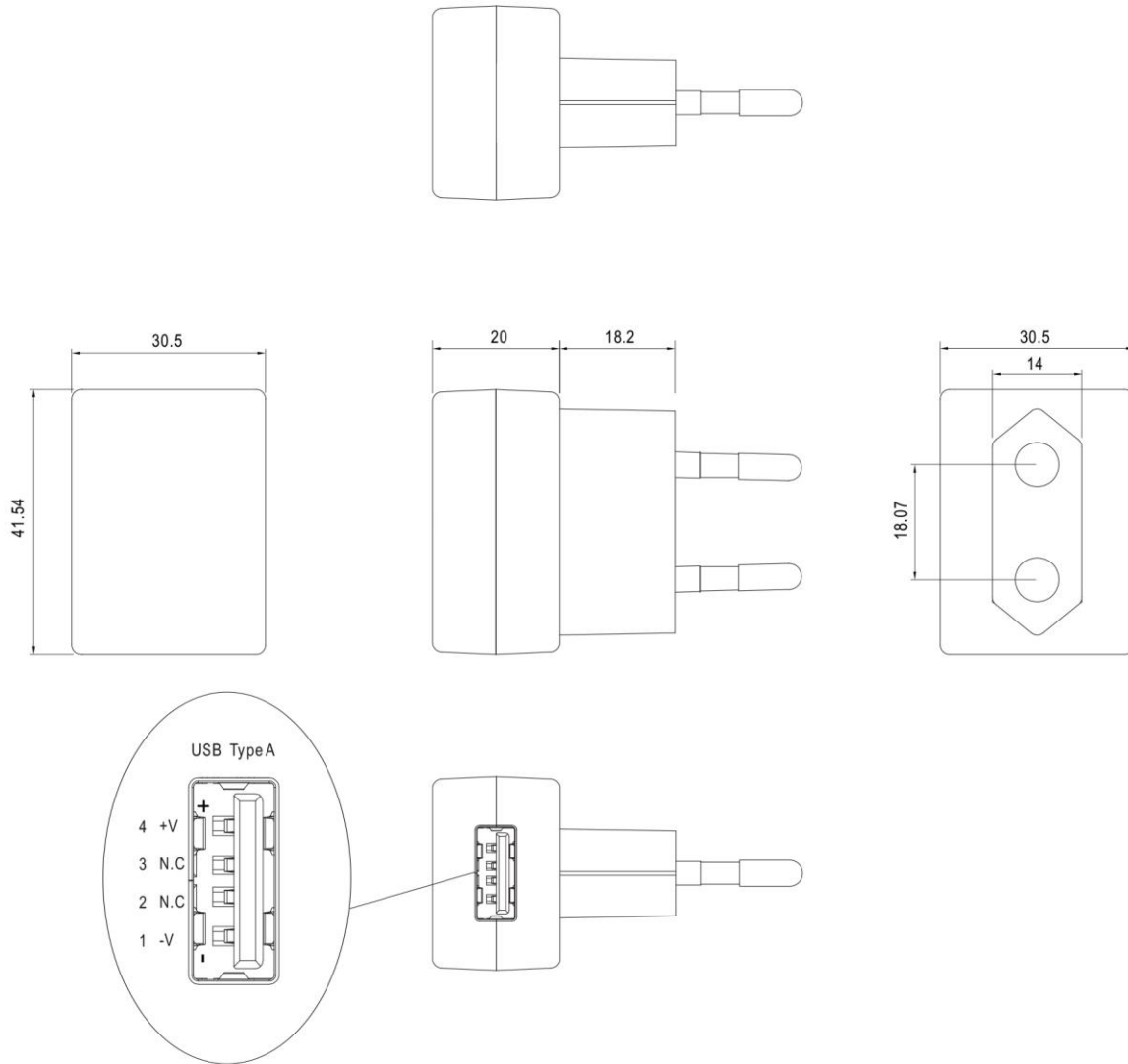
MODEL NO.		GS05E-USB
OUTPUT	SAFETY MODEL NO.	GS05E
	DC VOLTAGE Note.2	5V
	RATED CURRENT	1.00A
	CURRENT RANGE	0 ~ 1.00A
	RATED POWER	5W
	RIPPLE & NOISE (max.) Note.3	80mVp-p
	VOLTAGE TOLERANCE Note.4	±5.0%
	LINE REGULATION Note.5	±1.0%
	LOAD REGULATION Note.6	±5.0%
SETUP, RISE, HOLD UP TIME		1500ms, 20ms, 5ms at full load
INPUT	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY (Typ.)	74.5%
	AC CURRENT	0.2A / 100VAC
	INRUSH CURRENT (max.)	30A / 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 ~ 200% 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	±0.03% / °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	TUV EN62368-1, EAC TP TC 004 approved
	WITHSTAND VOLTAGE	I/P-O/P:4242VDC
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH
	EMC EMISSION	Compliance to EN55032 Class B, EN61000-3-2,3, EAC TP TC 020
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A, EAC TP TC 020
OTHERS	MTBF	1100Khrs min. MIL-HDBK-217F(25°C)
	DIMENSION	41.54*30.5*20mm (L*W*H)
	PACKING	45g ; 78pcs / 4.6Kg / CARTON
DC OUTPUT CONNECTOR		USB Type A
NOTE		1.All parameters are specified at 230VAC input, rated load, 25°C 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."



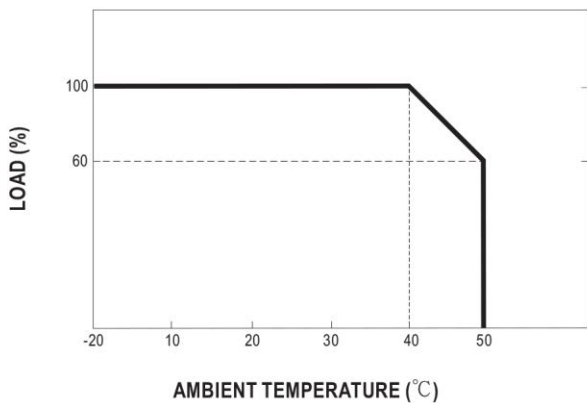
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■ Mechanical Specification

Unit:mm



■ Derating Curve



■ Static Characteristics

