

Delivering leading edge, innovative power solutions for more than **30** years....

Model:GT-41060-WWVV-X.X-FW

October 7, 2022

GT-41060-WWVV-X.X-FW

Information

Model Number

GT-41060-WWVV-X.X-FW

Description

GT-41060-WWVV-X.X-FW, ICT/ITE Power Supply, 60601-1-4th Ed. , Open Frame/Internal, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, Molex 09-65-2038 3 Position Header Pin 1: Neutral, Pin 2: Removed, Pin 3: Line, Output Rating: 25 Watts, Power rating with convection cooling (W) , 3.0-30V in 0.1V increments, Approvals: Belarus (12V only); UKCA; RoHS; CE; Ukraine; cRUus (up to 30V); China RoHS; Double Insulation; Level IV 1meter 115; NEMKO; VCCI; WEEE; FCC; LPS 60950; EAC; SIQ (up to 30V only);

Model Picture



Agency Documents

<http://www.globtek.info/certs/GT-41060/>

CE EC-Declaration

https://www.globtek.com/pdf/ec_declaration/a0O3000007P7ZJEA0

RoHS/RoHS2 Declaration

https://www.globtek.com/pdf/rohs_cert/a0O3000007P7ZJEA0

REACH Declaration

https://www.globtek.com/pdf/iso_certificates/REACH.pdf

Conflict Minerals Declaration

<https://www.globtek.com/pdf/conflict-minerals.pdf>

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MODEL PARAMETERS

Type	Open Frame/Internal
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.6 A Max
Wattage (W)	25.0
Vout Range (V)	3.0-30
Efficiency Level	
Ingress Protection	
Size (mm)	98*50*28

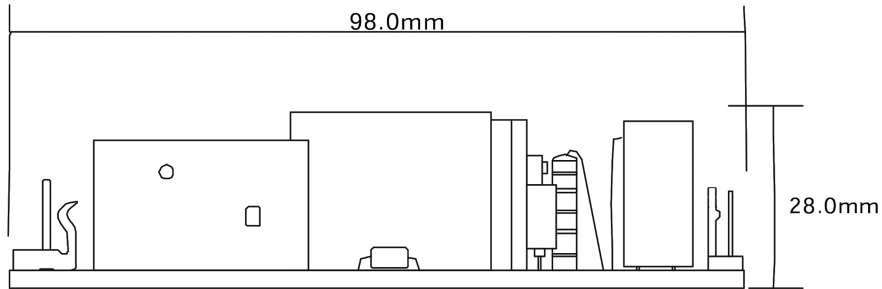
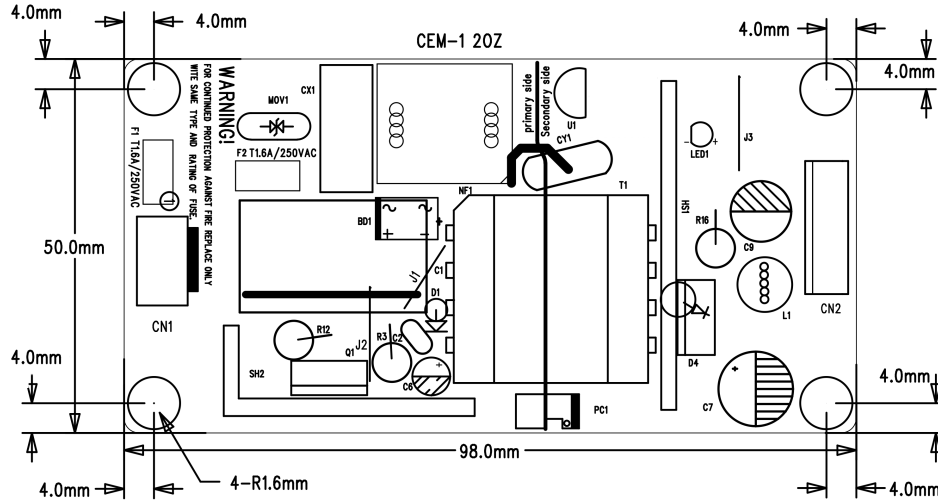
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ENCLOSURE

Enclosure size: 98*50*28 ± 0.5 mm



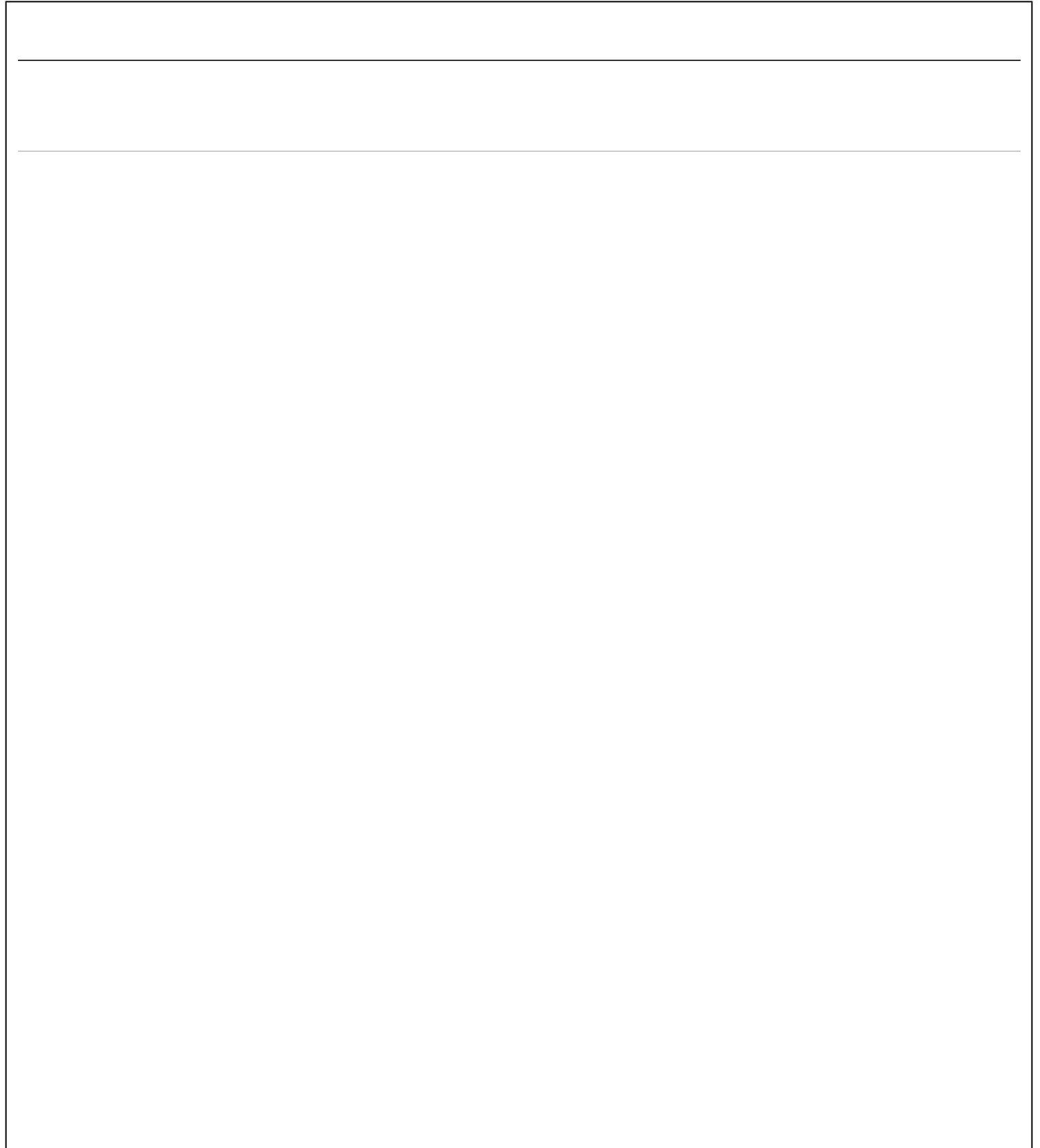
Input Connector: Molex 09-65-2038

Output Connector: Molex 22-27-2061
or equivalent

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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-41060-1003-FW	3 V	2.6	7.80	RFQ
GT-41060-1505-FW	5 V	3	15.00	RFQ
GT-41060-1706-FW	6 V	2.8	16.80	RFQ
GT-41060-1809-FW	9 V	2	18.00	RFQ
GT-41060-2512-FW	12 V	2.08	24.96	RFQ
GT-41060-2515-FW	15 V	1.66	24.90	RFQ
GT-41060-2518-FW	18 V	1.38	24.84	RFQ
GT-41060-2520-FW	20 V	1.25	25.00	RFQ
GT-41060-2524-FW	24 V	1.04	24.96	RFQ
GT-41060-2530-FW	30 V	0.83	24.90	RFQ
GT-41060-2548-FW	48 V	0.52	24.96	RFQ

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SPECIFICATIONS

NOTES:

1. Each output current may vary within it's designated range, as long as output power is not exceeded.
2. Single output may vary from 3VDC-30VDC in 0.1V increments.
3. Voltage differentiator X.X is optional, used only for specifying output voltage deviation from listed ratings. Subtract X.X from rated voltage.

A) ELECTRICAL SPECIFICATIONS:

1. INPUT VOLTAGE: 100-240 VAC
2. INPUT CURRENT: < 0.6 A RMS MAX
3. INPUT FREQUENCY: 47 - 63 HZ
4. OUTPUT POWER: 25WATTS, MAXIMUM
5. OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK): +/-1% OR 50 mV WHICHEVER IS GREATER AT NOMINAL OUTPUT VOLTAGE.MEASURED AT 20 MHz BANDWIDTH WITH 0.1 μ f CERAMIC CAPACITOR IN PARALLEL WITH 10 μ f ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.
6. OUTPUT REGULATION: +/- 3 % OF NOMINAL OUTPUT VOLTAGE,
7. MEASURED AT O/P CONNECTOR AT NOMINAL LINE
8. LINE REGULATION: +/- 1 % MAX AT FULL LOAD
9. TURN ON/ TURN OFF OVERSHOOT: 5% MAX 500 μ s MAX RECOVERY TIME FOR 25% TO 50% STEP LOAD
10. TURN-ON DELAY: 3000 mSEC MAX AT FULL LOAD, 115 VAC
11. HOLD-UP TIME: 10 mSEC MIN AT NOMINAL INPUT AND FULL LOAD
12. INRUSH CURRENT: 30 A MAX AT COLD START 120 VAC, 60A MAX COLD START 230VAC
13. SWITCHING FREQUENCY: 66.5 KHz TYPICAL
14. OVER-VOLTAGE PROTECTION: PROTECTED, HICCUP WITH AUTO RECOVERY
15. OVER-LOAD: PROTECTED, HICCUP WITH AUTO RECOVERY
16. SHORT CIRCUIT: PROTECTED, HICCUP WITH AUTO RECOVERY
17. EFFICIENCY: 80% TYPICAL AT NOMINAL LINE
18. INDICATOR: BLUE LED FOR OUTPUT PRESENT
19. NO LOAD POWER CONSUMPTION: MEETS CEC/EISA LEVEL IV, 115 VAC

B) PROTECTION

1. OTHER PROTECTION: INPUT LINE AND NEUTRAL FUSING

C) SAFETY

1. DIELECTRIC WITHSTAND VOLTAGE: 4242 VDC PRIMARY-SECONDARY
2. LEAKAGE CURRENT: < 0.3 mA AT 240 VAC

D) OTHER:

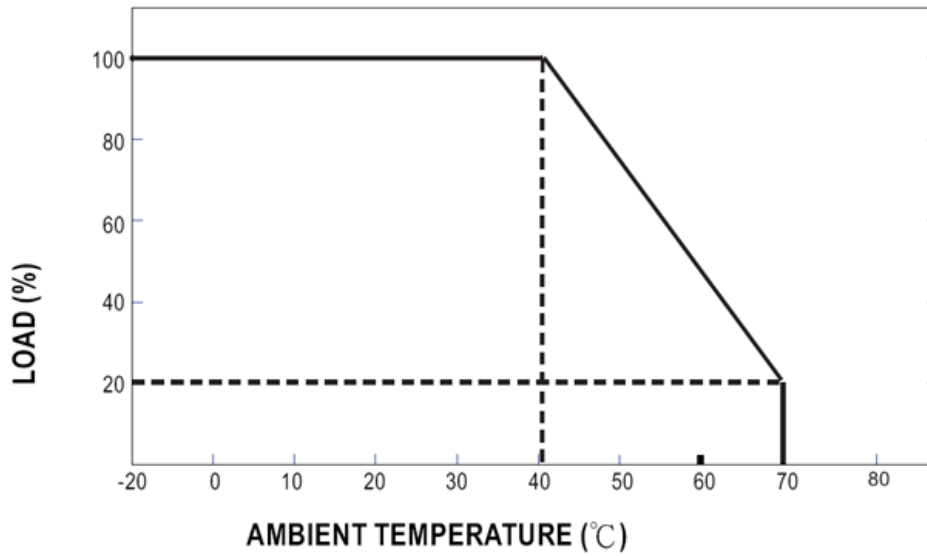
1. MTBF: 200,000 HOURS AT 25°C AMBIENT TEMPERATURE
2. OPERATING TEMPERATURE: 0°C TO 40°C
3. STORAGE TEMPERATURE: -40°C TO 80°C
4. HUMIDITY: 0% TO 90% RELATIVE HUMIDITY
5. ROHS 2: COMPLIES WITH EU 2011/65/Eu AND CHINA SJ/T 11363-2006

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DERATING CURVE



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INPUT CONFIGURATION

Description Molex 09-65-2038 3 Position Header Pin 1: Neutral, Pin 2: Removed, Pin 3: Line

Document: http://www.molex.com/pdm_docs/sd/009652038_sd.pdf

Catalog Page: http://www.molex.com/molex/products/datasheet.jsp?part=active/0009652038_PCB_HEADERS.xml



Mates With Part(s):

[5195](#) SPOX™ Crimp Housing, [5239](#) KK® Crimp Housing

Optional Input Wiring Kits are available:





PN/Ordering No	Length	End A	End B
XHP410070M7MLX3(R)	70	JST XHP-4	Molex 09-93-0300
C810070M6MLX3(R)	60	IEC60320 C8	Molex 09-93-0300
C1410070M6MLX3(R)	60	IEC60320 C14	Molex 09-93-0300

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Approvals

Logo	Description
	Belarus certificate JI By/I 12 03. 1 I . 020 05936 only for GTM41060-2512 and GT-41060-2512
	CE Mark: tested to comply with EN55022:2006/A1:2007 Class B, EN610003-2, EN610003-3 including EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11; EMI: Complies with EN55011 CLASS B and FCC Part 15B - On label or Molded in case
	CHINA SJ/T 11364-2014, China RoHS Chart: http://en.globtek.com/globtek-rohs.php
	cRUus Registered E170507 CSA C22.2 No. 60950-1 2nd Ed. (up to 30V)
	
	Certification # TC RU AR46.B.75423 Custom Union of Russia, Belarus and Kazakhstan
	FCC Mark
	Indoor Use Only - Mark is on the label or Molded in the case
EFFICIENCY LEVEL  115V	Efficiency: complies to section 301 of Energy Independence and Security Act (EISA) complies with Energy Star tier 2 (North America), ECP tier 2 (China), MEPS tier 2 (Australia), Code of Conduct (Europe) exception 5.1~6.9V require 1000 mm output cable
LPS	Limited Power Source 60950
	NEMKO

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RoHS	Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015/863-EU (ROHS-3) http://www.ce-mark.com/Rohs%20final.pdf
	IEC 60601-1:2005 (Third Edition) + CORR. 1:2006 + CORR. 2:2007 + A1:2012 (or IEC 60601-1: 2012 reprint) up to 30V only
	UKCA Certification
 10276	Ukraine UKRSepro (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf)
	Japan: Voluntary Control Council for Interference (VCCI)
	WEEE: Complies with EU 2012/19/EU (http://ec.europa.eu/environment/waste/weee/index_en.htm) Mark is on the label or Molded in the case