

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

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

May 6, 2024

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/a0O30000007P7ZJEA0

RoHS/RoHS2 Declaration

https://www.globtek.com/pdf/rohs_cert/a0O30000007P7ZJEA0

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

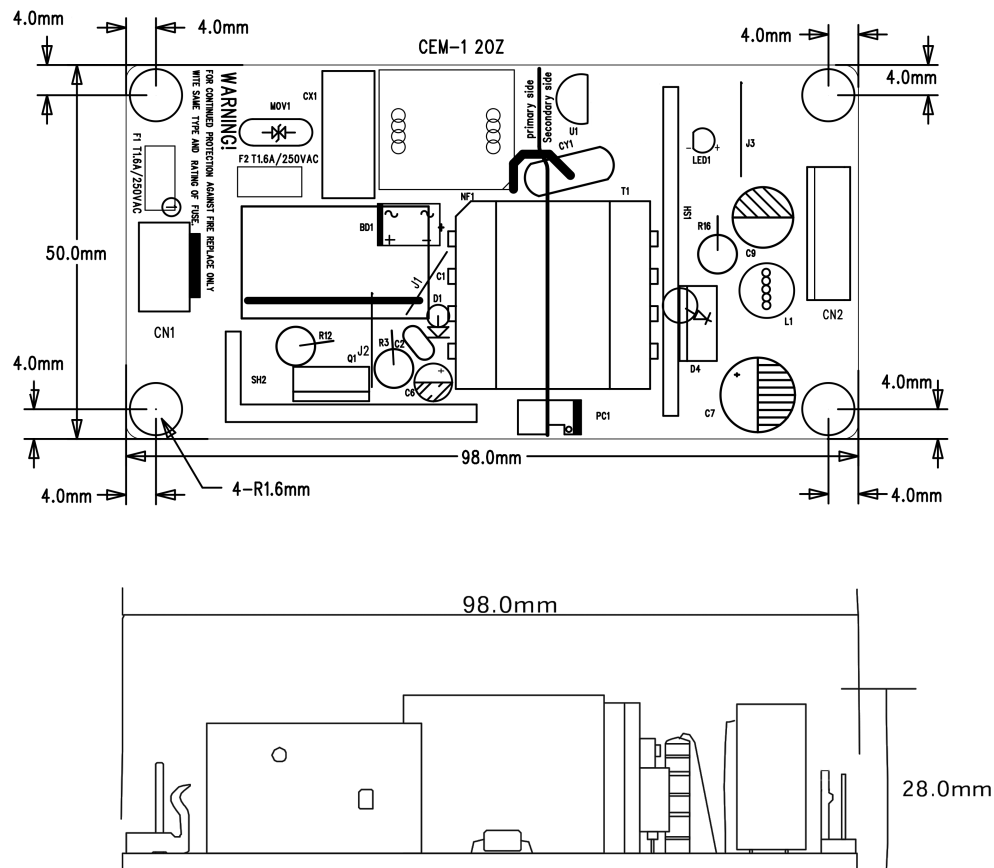
Type	Open Frame/Internal
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.6 A Max
Wattage (W)	25.0
Vout Range (V)	3.0-30
Efficiency Level	
Ingress Protection	
Size (mm)	98*50*28

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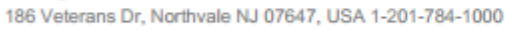
ENCLOSURE

Enclosure size: 98*50*28 ± 0.5 mm



Input Connector: Molex 09-65-2038

Output Connector: Molex 22-27-2061
or equivalent



www.globtek.com

<http://www.globtek.com/iso-certificates.php>

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Patient Information	
First Name	
Last Name	
Address	
City	
State	
Zip	
Phone	
Fax	
E-mail	
Medical History	
Allergies	
Current Medications	
Past Medical History	
Surgical History	
Family History	
Social History	
Physical Examination	
Vital Signs	
Laboratory Tests	
Imaging Studies	
Diagnosis	
Treatment Plan	
Follow-up	

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<https://www.globtek.com/ds/XhJqmLc42k6/btqpzZeFGVS.html>

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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 0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf 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 500µS 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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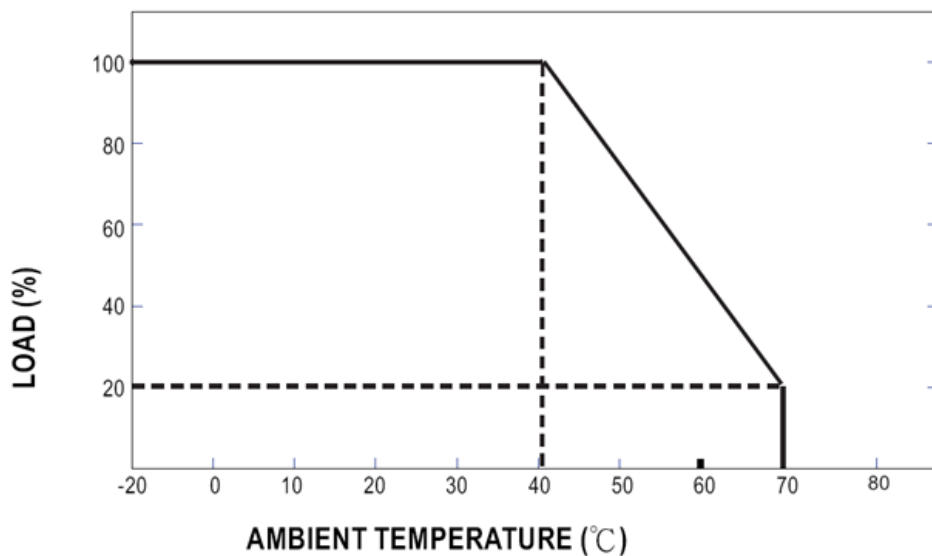
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DERATING CURVE



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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 JИ 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, EN610004-2, EN610004-3, EN610004-4, EN610004-5, EN610004-6N 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://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration.pdf
	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) Energy Star tier 2 (North America), ECP tier 2 (China), MEPS tier 2 (Australia), Code of Practice (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 2015/86 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) Mark is on the label or Molded in the case