

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

Model:GTM41060-WWVV-X.X-FW

May 20, 2024

GTM41060-WWVV-X.X-FW

Information

Model Number	GTM41060-WWVV-X.X-FW
Description	GTM41060-WWVV-X.X-FW, ICT / ITE / Medical 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) , 3.0-48V in 0.1V increments, Approvals: cUR; WEEE; VCCI; FCC; Ukraine; CE; China RoHS; RoHS; Double Insulation; cULus; SIQ; Level IV 1meter 115; CE;
Model Picture	
Agency Documents	http://www.globtek.info/certs/GTM41060/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0Oa000000FjefpEAB
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0Oa000000FjefpEAB
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 / Medical Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.6 A Max
Wattage (W)	25.0
Vout Range (V)	3.0-48
Efficiency Level	Meets/Exceeds for Medical
Ingress Protection	
Size (mm)	98*50*28

PROPRIETARY INFORMATION

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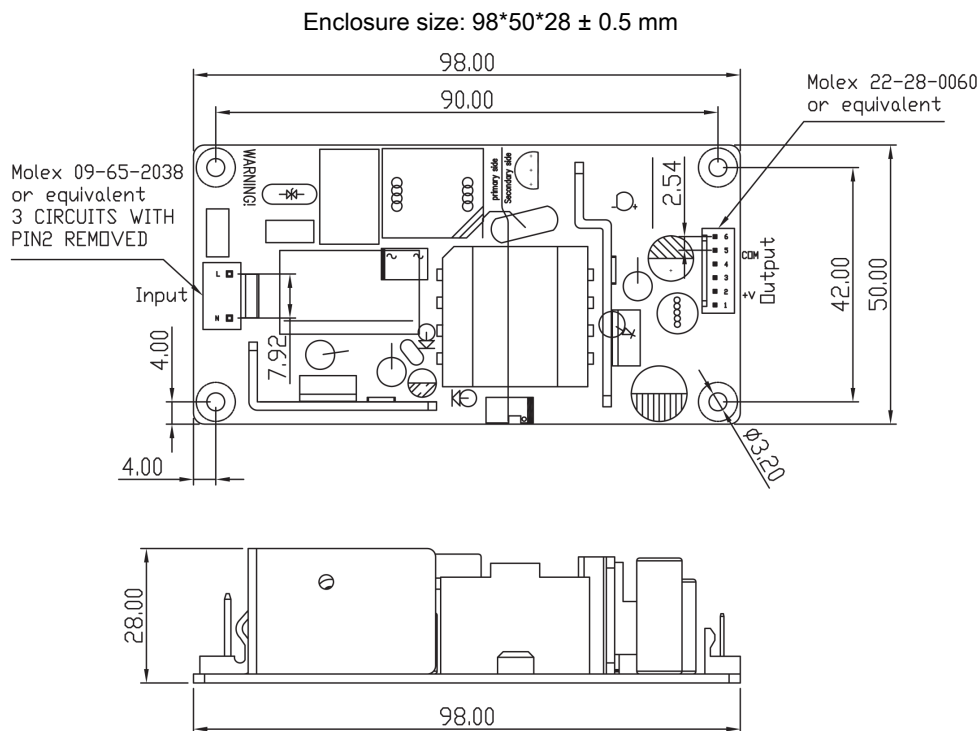
<https://www.globtek.com/ds/LoqY4yu5Pc9/P3xUM7FthRq.html>

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ENCLOSURE



NOTE: pin numbers on output connector do not match naming convention from Molex, they are reversed. Beware of this when specifying and wiring the mating connector.

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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-41060-1505-FW	5 V	3	15.00	RFQ
GTM41060-2548-FW	48 V	0.52	24.96	RFQ

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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

01. Input Voltage: Specified 90-264 Vac, Nameplate rated: 100-240Vac
02. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
03. Output Regulation: +/- 5% measured at the output connector
04. Line Voltage Regulation: +/- 1% typical measures at full load
05. Output Ripple (Vp-p): 1% or 150 mV whichever is greater measured at 20 MHz bandwidth with 0.1 uf ceramic capacitor in parallel with 10 uf electrolytic capacitor connected at the end of output connector at nominal line
06. Turn-On/Turn-Off Overshoot: 5% maximum, 1mS typical recovery time for 25% step load
07. Turn-On Delay: 1 second typical
08. Hold-Up Time: 8mS typical @ nominal input voltage & full load
09. Inrush Current: 30A typical @ 115Vac input ; 60A typical @ 230Vac input
10. Switching Frequency: 66.5 KHz typical
11. Current Limited Option: Models numbers containing CC are "Current Limited" to rated output current with a tolerance of +/-10%

B) PROTECTION

1. Over-Voltage: Electronically Protected, unit will recover upon removal of fault
2. Short Circuit: Electronically Protected, unit will recover upon removal of fault
3. Input Protection: Input line fusing

C) SAFETY

1. Dielectric Withstand Voltage: 5656Vdc from primary to secondary
2. Earth Leakage Current: N/A for Class II units, there is no PE Ground pin, so Earth Leakage current is not measured
3. Touch Current: Maximum allowed values: 100uA NC(Normal condition) 500uA SFC(single fault condition)

D) OTHER:

1. MTBF: 200,000 hours @ 25°C ambient temperature
2. Operating Temperature: 0°C to 40°C ambient temperature
Optional Operating Temperature: -5°C to 40°C ambient temperature (RFP4385)
3. Humidity: 0% to 90% relative humidity
4. Maximum Altitude is 3000M
5. Storage Temperature: -10°C to 80°C
6. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

E) ENCLOSURE

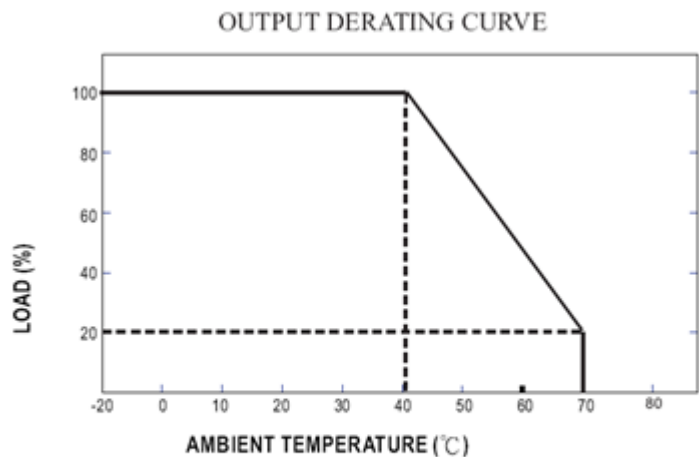
1. Size: 98*50*28 +/-0.5 mm
2. Green LED indicator for power "Power Out"

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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
	CE Certification CE Mark: tested to comply with EN 55032.2012+AC.2013 EN 61000-3-2.2014 EN 61000-3-3.2014 EN 60601-1-2.2015 EN 55024.2010
	CE Mark: tested to comply with EN 60601-1-2:2015 Medical electrical equipment Part 1 on the label or Molded in the 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
	ANSI/AAMI ES60601-1: A1:2012, C1:2009/(R)2012 and A2:2010/(R)2012, CSA CAN/CSA C60601-1:14 up to 30V only
	
	FCC PART 15 CLASS B
	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 Best Practice (Europe) exception 5.1~6.9V require 1000 mm output cable
RoHS	Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015/863/EU 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

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 10276	Ukraine UKRSepro (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf)
 E172861	UL cRUus Registered E172861 up to 30V only
	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