

Model:GTM2065-65VV-F

May 16, 2024

GTM2065-65VV-F

Information

Model Number	GTM2065-65VV-F
Description	GTM2065-65VV-F, Medical Power Supply, Open Frame/Internal, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, Molex 26-60-4030 3 Position Header Pin 1: Line, Pin 2: Removed, PIN 3: Neutral, Output Rating: 65 Watts, Power rating with convection cooling (W) , 3.3-48V in 0.1V increments, Approvals: China RoHS; RoHS; Ukraine; EAC; WEEE; cRUus; CE; Book 60601; Class I; VCCI; PSE;
Model Picture	
Agency Documents	http://www.globtek.info/certs/GTM2065/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0O30000008UITTEA0
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0O30000008UITTEA0
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

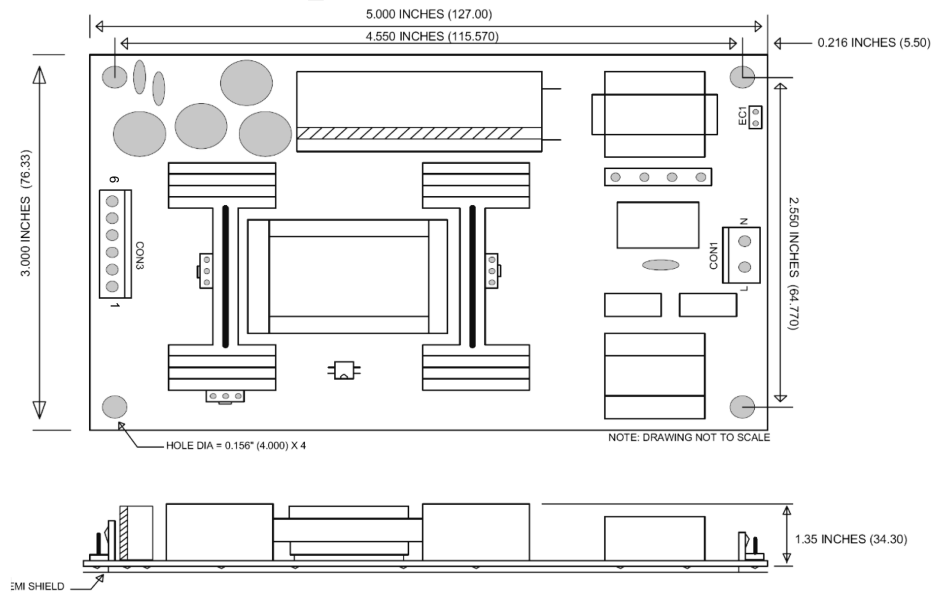
Type	Open Frame/Internal
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	Medical Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	
Wattage (W)	65.0
Vout Range (V)	3.3-48
Efficiency Level	
Ingress Protection	
Size (mm)	127*76.33*34.30

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ENCLOSURE



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<https://www.globtek.com/ds/ktNKx3Pn7s4/A4UGyuiGNJF.html>

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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GTM2065-333.3-F	3.3 V	10	33.00	RFQ
GTM2065-403.3-F	3.3 V	12.12	40.00	RFQ
GTM2065-4005-F	5 V	8	40.00	RFQ
GTM2065-657.5-1.5	6 V	10.83	64.98	RFQ
GTM2065-657.5-F	7.5 V	8.67	65.03	RFQ
GTM2065-6509-F	9 V	7.22	64.98	RFQ
GTM2065-6512-F	12 V	5.42	65.04	RFQ
GTM2065-6515-F	15 V	4.33	64.95	RFQ
GTM2065-6518-F	18 V	3.61	64.98	RFQ
GTM2065-6524-F	24 V	2.71	65.04	RFQ
GTM2065-6536-F	36 V	1.8	64.80	RFQ
GTM2065-6548-F	48 V	1.36	65.28	RFQ

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SPECIFICATIONS

INPUT

INPUT VOLTAGE: 100Vac TO 240Vac

INPUT CURRENT: <1.5A rms AT 90VAC INPUT

INPUT FREQUENCY: 47HZ - 63HZ

POWER FACTOR: 0.7 TYPICAL AT 230 VAC FULL LOAD

OUTPUT :

OUTPUT VOLTAGE: 24 VDC

OUTPUT CURRENT: 2.7 A, NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

RATED OUTPUT POWER: 65 WATTS, MAXIMUM

OUTPUT REGULATION: +/- 2 % MEASURED AT THE OUTPUT CONNECTOR

LINE VOLTAGE REGULATION: +/- 0.5 % TYPICAL MEASURED AT FULL LOAD

HIGH FREQ. OUTPUT RIPPLE: 1% OF OUTPUT VOLTAGE , PEAK TO PEAK, TYPICAL AT NOMINAL LINE

TURN-ON/TURN-OFF OVERSHOOT: 5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY: 1 SECOND, TYPICAL AT 115 V INPUT VOLTAGE

HOLD-UP TIME:12 mS TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT: 20A TYPICAL AT 115Vac INPUT AND 40A TYPICAL AT 230Vac INPUT

SWITCHING FREQUENCY: 100KHZ TYPICAL, FIXED FREQUENCY

EFFICIENCY: 75% TYPICAL AT NOMINAL INPUT AND FULL LOAD

OUTPUT INDICATOR: GREEN LED FOR OUTPUT PRESENT

PROTECTION

OVER-VOLTAGE: VOLTAGE LIMITED TO LESS THAN 150%, CROWBAR METHOD

OVERLOAD: HICCUP MODE WITH AUTO-RECOVERY

SHORT CIRCUIT: HICCUP MODE, OUTPUT WILL AUTORECOVER UPON REMOVAL OF SHORT

INPUT PROTECTION: INPUT LINE FUSING

SAFETY APPROVALS: UL 60601 (THIRD EDITION), CUL TO 22.2 NO. 60601, DEMKO, CE

DIELECTRIC WITHSTAND VOLTAGE: 5656 Vdc FROM PRIMARY TO SECONDARY

EARTH LEAKAGE CURRENT: LESS THAN 300 uA at 240Vac INPUT VOLTAGE

EMI: COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN

TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI.

CE MARK: TESTED TO COMPLY WITH EN61000-3-2 EN610003-3 AND EN50082-1

INCLUDING EN61000-4-2 , EN61000-4-3, EN61000-4-4,

EN61000-4-5, EN61000-4-6, EN61000-4-11

MTBF: 200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE: 0°C TO 50°C AMBIENT TEMPERATURE

HUMIDITY: 0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE - 40°C TO 80°C

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DERATING CURVE

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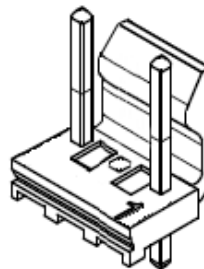
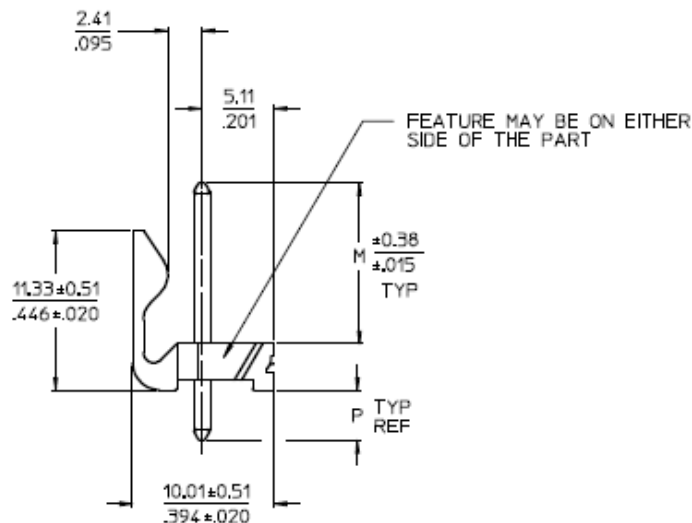
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INPUT CONFIGURATION

Description

Molex 26-60-4030 3 Position Header Pin 1: Line, Pin 2: Removed, PIN 3: Neutral



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

Custom lengths, construction, cable types, ferrites, filters, and termination available upon request.

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Approvals

Logo	Description
	Attention Mark / Refer to operating manual for operating and service instructions
	60601-1 3rd Operating Instructions
	CE Certification
	CHINA SJ/T 11364-2014, China RoHS Chart: http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22.pdf
	cRUus UL Recognized Component E341350 3rd Edition w-RM ANSI-AAMI ES60601-1 (2005 + C1:09 + A2:10) and CAN-CSA-C22.2 No. 60601-1 (2008)
	Certification # TC RU AR46.B.75423 Custom Union of Russia, Belarus and Kazakhstan
	Indoor Use Only - Mark is on the label or Molded in the case
 GlobTek, Inc.	JAPAN TUV Rheinland-PSE GlobTek Inc to J60950-1(H26) , J55022(H22),J3000(H25).Please follow the procedure listed in the following link for proper import to Japan: https://www.globtek.com/r2/Szj4Vb
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
	UKCA Certification

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 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