

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

Model:GTM43007-AWWVV-FW (D2 with standoffs)

May 11, 2024

2" x 3" (2x3") Ultra Compact AC-DC Switching Power Supplies available in 60601-1 Medical, 60950-1 ITE, and 60335-1 Household with Class II and up to 60W output power DIP with standoffs

Information

Model Number	GTM43007-AWWVV-FW (D2 with standoffs)
Description	GTM43007-AWWVV-FW (D2 with standoffs), Medical/ICT/ITE/Household use Power Supply, 60601-1-4th Ed. , Open Frame/Internal, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, Solder Pins for Line and Neutral, 1.14 mm square pins, 11.43 mm long, Output Rating: 60 Watts, Power rating with convection cooling (W) , 5-48V in 0.1V increments, Approvals: Fuse 60335; Book 60601; CB 60601-1 2MOPP (6W max); CB 60950; CB 62368; CB EN/IEC 60335-1; CE; CE; ETL 62368; cETLus ES60601; cETLus; cETLus 60601-1 3rd; China RoHS; Double Insulation; FCC; Fuse 60335; Level V; LPS 60950; RoHS; Ukraine; WDaE; WEEE; UKCA; Conforms to 62368-1; CCC;

Model Picture

Agency Documents	http://www.globtek.info/certs/GTM43007/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0O0c00000PIXRwEAP
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0O0c00000PIXRwEAP
REACH Declaration	https://www.globtek.com/pdf/iso_certificates/REACH.pdf
Conflict Minerals Declaration	https://www.globtek.com/pdf/conflict-minerals.pdf

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

Model: GTM43007-AWWVV-FW (D2 with standoffs)

May 11, 2024

MODEL PARAMETERS

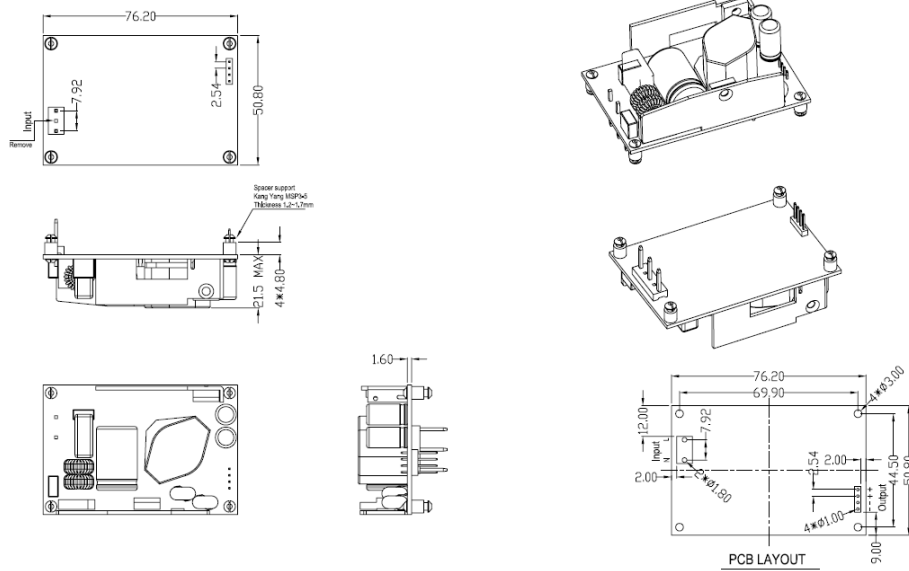
Type	Open Frame/Internal
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	Medical/ICT/ITE/Household use Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	1.5 A
Wattage (W)	60.0
Vout Range (V)	5-48
Efficiency Level	N/A
Ingress Protection	N/A
Size (mm)	76.2x50.8x23.6 for 5V-14V models, 76.2x50.8x22.5 for 15V-48V models

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

Model: GTM43007-AWWVV-FW (D2 with standoffs)

May 11, 2024

ENCLOSURE



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

Model:GTM43007-AWWVV-FW (D2 with standoffs)

May 11, 2024

RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
--------------	---------	---------	----------	-----

Model:GTM43007-AWWVV-FW (D2 with standoffs)

May 11, 2024

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: +/- 3% measured at the output connector
04. Line Voltage Regulation: +/- 0.5% maximum measured at full load
05. Output Ripple (Vp-p): +/- 1% of output voltage, Vp-p, max
06. Turn-ON/OFF: 5% maximum, 1 mS typical recovery time for 25% step load
07. Turn-ON Delay: 1 Sec max
08. Hold-Up Time: 10 mS typical @ nominal input voltage and full load
09. Inrush Current: 80A maximum @ 115 Vac input, 160A maximum @ 230 Vac input
10. Switching Frequency: 65 KHz typical
11. Efficiency: 87% @ 115Vac, 89% @ 230Vac typical at full load
12. No Load Power: < 300mW @ 230Vac

B) PROTECTION

01. Overvoltage Protection: 110% to 130% of nominal output voltage, and less than 60Vdc
02. Short Circuit/Over-load: momentary short circuit protected, output will auto recover upon removal of short

C) SAFETY

01. Dielectric Withstand Voltage: 4000Vac / 5656Vdc from primary to secondary
02. Earth Leakage Current: Does not exceed 300uA in NORMAL CONDITION and 1000uA in SINGLE FAULT CONDITION
03. Output Leakage Current: Does not exceed 75uA NC(Normal condition) 300uA SFC(single fault condition)
05. Earth continuity test:<0.1 Ohm, Class I Only
06. Mode of operation: Continuous
07. Means of Protection: 2 x MOPP
08. Compliant Standards: See listings at end of this drawing for specifics

D) EMC

EN 60601-1-2, 4th edition

Emissions, per EN 55032, EN 61000-6-3, EN 61000-6-4

Conducted Emissions: Class B, FCC Part 15, Class B

Radiated Emissions: Class B, FCC Part 15, Class B

Line Frequency Harmonics EN61000-3-2, Class A

Voltage Fluctuations/Flicker EN61000-3-3

Immunity, per EN 55024, EN 61000-6-1, EN 61000-6-2

Static Discharge Immunity EN61000-4-2, 10kV Contact Discharge, 20kV air discharge

Radiated RF Immunity EN61000-4-3, 10V/m 80-1000MHz, 3V/m 1-2.7GHz, 80% 1KHz AM.

EFT/Burst Immunity EN61000-4-4, 4kV/100kHz.

Line Surge Immunity EN61000-4-5, 2kV differential, 4kV common-mode

Conducted RF Immunity EN61000-4-6, 3Vrms, 80% 1KHz AM

Power Frequency Magnetic Field Immunity EN61000-4-8, 3A/m

Voltage Dip Immunity EN61000-4-11, Criteria

E) OTHER

PROPRIETARY INFORMATION

PROPRIETARY OF GLOBTEK, INC. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING, IN WHOLE OR IN PART, IS HEREBY PROHIBITED EXCEPT AS SPECIFIED IN WRITING BY GLOBTEK, INC.

<https://www.globtek.com/ds/6JTGghFsWDb/QsFP6A3ce5B.html>

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

Model:GTM43007-AWWVV-FW (D2 with standoffs)

May 11, 2024

- 01. MTBF: 1,000,000 Hours @ 45°C ambient temperature, Full Load
- 02. Operating Temperature: -10°C to 45°C ambient temperature
- 03. Humidity: 0% to 95% relative humidity
- 04. Storage Temperature: -30°C to 80°C
- 05. Cooling: Convection
- 06. Elevation: 5000M
- 07. ROHS: Complies with EU 2011/65/EU amended by EU 2015/863 and China SJ/T 11363-2006

F) MECHANICAL FORMAT

- 01. Type: Open Frame
- 02. Size: A suffix version, (2"x3"), 76.2 x 50.8 x 30.5 mm
- 03. Size: B suffix version, (2"x4"), 101.6 x 50.8 x 30.5 mm
- 04. Size: C suffix version, (3"x5"), 127.0 x 76.2 x 30.5 mm

G) SPECIAL OPTIONS

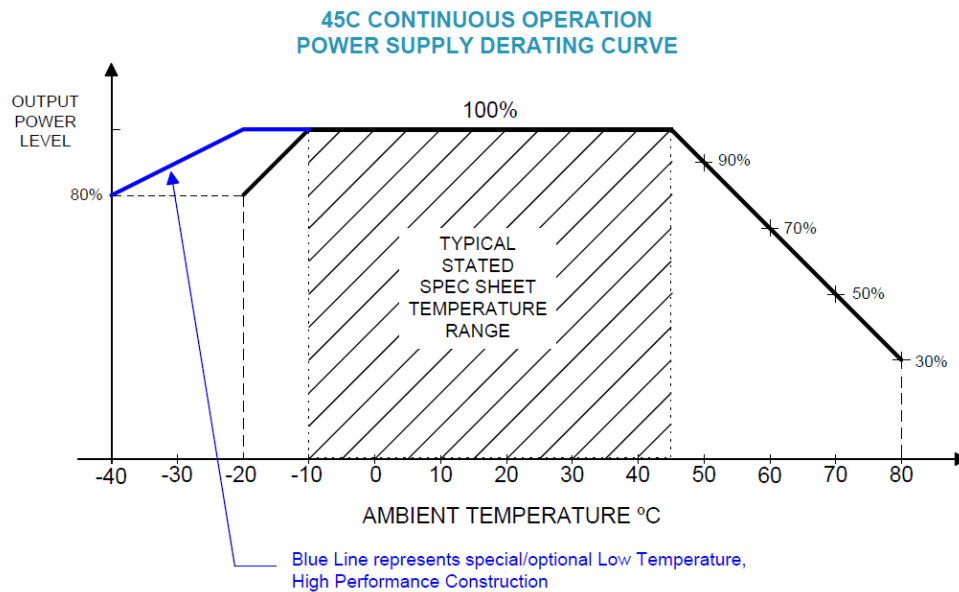
- 01. Custom Label Markings
 - 02. Short term Output Surge Capability
 - 03. Reduced Leakage Current versions
 - 04. Tightened output voltage tolerance
 - 05. Reduced output ripple level
 - 06. High Rel PCB laminate with Plated through Holes for IPC610 Class 2 Compliance
 - 07. Low Temperature operation, down to -40°C
 - 08. Quasi Constant Current Output, for Lead-Acid Battery Charger Applications
 - 09. Special Input or Output Connectors
 - 10. Over-Temperature Protection, Latched Shut-Down
-

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

Model: GTM43007-AWWVV-FW (D2 with standoffs)

May 11, 2024

DERATING CURVE



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

Model:GTM43007-AWWVV-FW (D2 with standoffs)

May 11, 2024

INPUT CONFIGURATION

Description	Solder Pins for Line and Neutral, 1.14 mm square pins, 11.43 mm long
-------------	--

PROPRIETARY INFORMATION

PROPRIETARY OF GLOBTEK, INC. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING, IN WHOLE OR IN PART, IS HEREBY PROHIBITED EXCEPT AS SPECIFIED IN WRITING BY GLOBTEK, INC.

<https://www.globtek.com/ds/6JTGghFsWDb/QsFP6A3ce5B.html>

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

Model:GTM43007-AWWVV-FW (D2 with standoffs)

May 11, 2024

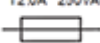
Approvals

Logo	Description
	Book 60335 up to 36 Volts
	60601-1 3rd Operating Instructions
No Logo Applicable	CB report IEC60601-1 2005 A1+C1+C2 2016-2-4 and or EN 60601-1:2006 3.1rd Edition 2xMOPP (6W max)
No Logo	CB Report EN60950-1
No Logo Applicable	CB for IEC 62368-1:2014 (Second Edition)
No Logo Applicable	CB to 60335-1 5th Edition (Safety of Household and Similar Electrical Appliances, Part 1: General Requirements) CB Report/ Certificate IEC 60335-1:2010 Up to 36 volts only
	CCC Altitude up to 5000 m GB17625.1-2012, GB4943.1-2011, GB/T9254-2008 for GT*43007
	CE Certification CE Mark: tested to comply with EN 55032.2012+AC.2013 EN 61000-3-2.2014 EN 61000-3-3.2013 EN 60601-1-2.2015 EN 55024.2010
	CE Mark: tested to comply with EN 60601-1-2:2015 Medical electrical equipment Part 1-2: - Mark is on the label or Molded in the case
	Audio/Video, Information And Communication Technology Equipment - Part 1: Safety Requirements [UL 62368-1:2014 Ed.2] Audio/Video, Information And Communication Technology Equipment - Part 1: Safety Requirements [CSA C22.2#62368-1:2014 Ed.2]

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

Model:GTM43007-AWWVV-FW (D2 with standoffs)

May 11, 2024

Conforms to ANSI/AAMI ES 60601-1:2005 Cert.to CAN/CSA Std. C22.2	cETLus ANSI_AAMI ES60601-1_2005
Conforms to ANSI/UL Std. 60950-1 Cert.to CAN/CSA Std. C22.2 NO. 60950-1	Conforms to ANSI/UL Std. 60950-1 2nd Edition Cert. to CAN/CSA Std.C22.2 NO.60950-1 2nd Edition
	cETLus-Cert-4007497 ANSI/AAMI ES60601-1:2005/A1:2012 Issued: 2012/08/20 Medical electrical equipment ? Part 1: Amendment 1; CAN/CSAC22.2 No. 60601-1:14, Third Edition Issued: 2014/03/01 - Medical Electrical Equipment - Part 1
	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
Conforms to UL STD. 62368-1 Certified to CSA STD C22.2 NO.62368-1	Conforms to UL STD. 62368-1 Certified to CSA STD C22.2 NO.62368-1
	
	FCC PART 15 CLASS B
T2.0A 250VAC 	Fuse 60335 T2.0A 250VAC Up to 36 volts
	Indoor Use Only - Mark is on the label or Molded in the case
EFFICIENCY LEVEL 	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)
LPS	Limited Power Source 60950
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

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

Model:GTM43007-AWWVV-FW (D2 with standoffs)

May 11, 2024

	UKCA Certification
 10276	Ukraine UKRSepro (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf)
WDaE	Appliances can be used in warm damp equable climates
	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