

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

Model:GTM21089-WVVV-W3

June 24, 2019

GTM21089-WVVV-W3

Information

Model Number GTM21089-WVVV-W3

Description GTM21089-WVVV-W3, Medical Power Supply, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, North America Blades with Ground Prong, Class I, (3) Conductors, Output Rating: 19 Watts, Power rating with convection cooling (W) , 3.3-48V in 0.1V increments, Approvals: EAC; WEEE; VCCI; Ukraine; Class I; China RoHS; CE; cRUus; IP40; RoHS; Book 60601;

Model Picture



Agency Documents <http://www.globtek.info/certs/GTM21089/>
CE https://www.globtek.com/pdf/ec_declaration/a0Oa000000BzyKQEAZ
EC-Declaration
RoHS/RoHS2 Declaration https://www.globtek.com/pdf/rohs_cert/a0Oa000000BzyKQEAZ
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:GTM21089-WVVV-W3

June 24, 2019

Model Parameters

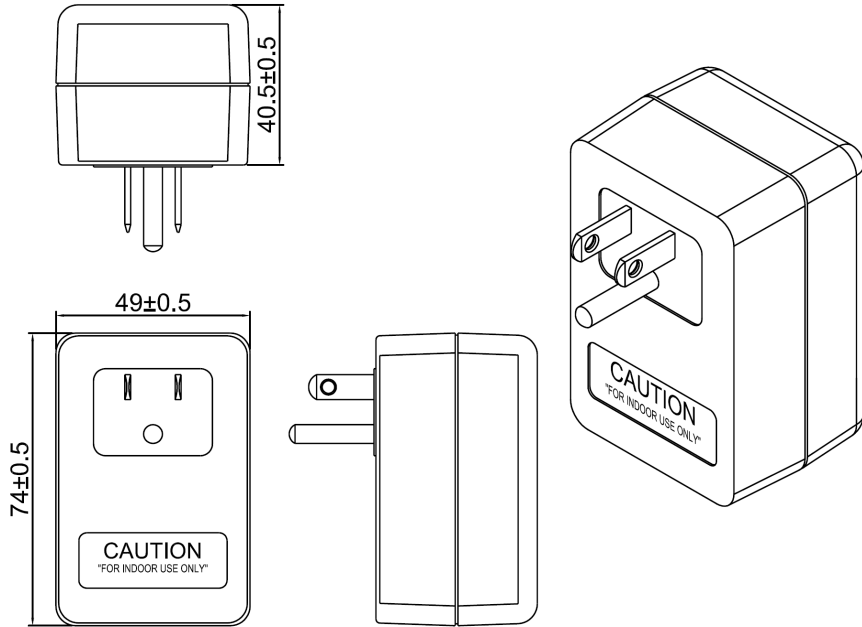
Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	Medical Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.5A MAX
Wattage (W)	19.0
Vout Range (V)	3.3-48
Efficiency Level	Meets/Exceeds for Medical
Ingress Protection	IPX0
Size (mm)	74*49*40.5

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

Model:GTM21089-WVVV-W3

June 24, 2019

ENCLOSURE



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

Model:GTM21089-WVVV-W3

June 24, 2019

RATING TABLE

Model Number	Voltage(V)	Amps(A)	Watts(W)	RFQ
GTM21089-0903-W3	3.3 V	2.6	8.58	RFQ
GTM21089-1305-W3	5 V	2.6	13.00	RFQ
GTM21089-1506-W3	6 V	2.5	15.00	RFQ
GTM21089-1509-2.0-W3	7 V	2.14	14.98	RFQ
GTM21089-1509-1.5-W3	7.5 V	2	15.00	RFQ
GTM21089-1509-W3	9 V	1.7	15.30	RFQ
GTM21089-1512-2.0-W3	10 V	1.5	15.00	RFQ
GTM21089-1512-W3	12 V	1.25	15.00	RFQ
GTM21089-1815-W3	15 V	1.2	18.00	RFQ
GTM21089-1818-W3	18 V	1	18.00	RFQ
GTM21089-1824-W3	24 V	0.75	18.00	RFQ
GTM21089-1836-W3	36 V	0.5	18.00	RFQ
GTM21089-1948-W3	48 V	0.39	18.72	RFQ

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

Model:GTM21089-WVVV-W3

June 24, 2019

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, no minimum load required
04. Line Voltage Regulation: +/- 1% typical measured at full load
05. Output Ripple (Vp-p): 1% or 100 mV whichever is greater, measured at 20 MHz bandwidth with 0.1 uf ceramic capacitor in parallel with a low impedance 47 uf electrolytic capacitor connected at the end of the output connector
06. Turn-ON/OFF: 5% maximum, 1 mS typical recovery time for 25% step load
07. Turn-ON Delay: 1 Sec, typical
08. Hold-Up Time: 10 mS typical @ nominal input voltage and full load
09. Inrush Current: 30A maximum cold start @ 240Vac input
10. Switching Frequency: 100 KHz typical, varies with line and load
11. Efficiency: 75% typical
12. Input protection: Input line and neutral fusing

B) PROTECTION

01. Over-Voltage: Limited via crowbar method
02. Short Circuit: Momentary short circuit protected with auto recovery upon removal of short
03. Earth Leakage Current: Did not exceed 5 mA in NORMAL CONDITION and 10 mA in SINGLE FAULT CONDITION
04. Earth continuity test: <0.1 Ohm or < 0.2 Ohm when with a non-detachable Power Supply cord, Class I Only
05. Touch Current: Did not exceed 100uA NC(Normal condition) 500uA SFC(single fault condition)
06. Over-load: Hiccup with auto recovery
07. Input Protection: Input line and neutral fusing

C) SAFETY

01. Dielectric Withstand Voltage: 5656vdc from primary to secondary
02. Type of protection against electric shock: class II with function earth(3 pin NEMA 5-15P)
03. Degree of protection against electric shock: not classified (no applied part)
04. Degree of protection Against ingress of water: IPX0 (ordinary)
05. Degree of safety of application in the presence of flammable anesthetic: not evaluated Mode of operation: continuous
06. Earth Leakage Current: Did not exceed 5 mA in NORMAL CONDITION and 10 mA in SINGLE FAULT CONDITION
07. Touch Current: Did not exceed 100uA NC(Normal condition) 500uA SFC(single fault condition)

D) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: 0°C to 40°C ambient temperature
03. Storage Temperature: -10°C to 80°C
04. Humidity: 0% to 90% relative humidity
05. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

E) ENCLOSURE

1. Upper Housing: High impact plastic, 94V0 polycarbonate, non-vented
2. Lower Housing: High impact plastic, 94V0 polycarbonate, non-vented
3. Size: 74*49*40.5 ±0.5 mm

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

Model:GTM21089-WVVV-W3

June 24, 2019

DERATING CURVE

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

Model:GTM21089-WVVV-W3

June 24, 2019

Input Configuration

DescriptionNorth America Blades with Ground Prong, Class I, (3) Conductors

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

Model:GTM21089-WVVV-W3

June 24, 2019

Output Configuration

Common output connector options:


 L Type (Coaxial
5.5x2.5mm plug)

 C Type (Coaxial
5.5x2.1mm plug)

 K Type (Coaxial
3.5x1.3mm plug)

 LL Type (5.5x2.5mm
Locking 760k type)

 CL Type (5.5x2.1mm
Locking S761k type)

 ML2 Type (Molex
housing 43025-0200)


YL3 Type (KPPX-3P)



YL4 Type (KPPX-4P)


 EJ1/2/3/4/5 (EIAJ
RC-5320A type
connectors)


MSB Type (Micro USB)


 USBC Type (USB Type
C)

 Inquire for custom
design

 For a comprehensive list of options, [click here](#)










Contact GlobTek for your specific requirements or custom solutions.

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

Model:GTM21089-WVVV-W3

June 24, 2019

Approvals

Logo	Description
	Attention Mark / Refer to operating manual for operating and service instructions
	60601-1 3rd Operating Instructions
	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
	CHINA SJ/T 11364-2014, China RoHS Chart: http://en.globtek.com/globtek-rohs.php
	cRUus UL Recognized Component E172861 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
IP40	Ingress Protection: ?IP40 to IEC60529:2001 Protection against granular foreign bodies
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
	Ukraine UKRSepr (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf)
10276	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