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Model:GTM41080-W2E

August 18, 2019

## GTM41080-W2E

### Information

Model Number GTM41080-W2E

Description GTM41080-W2E, Medical Power Supply, 60601-1-4th Ed. , Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor , , Input Rating: 100-240V~, 50-60 Hz, European CEE 7/16 configuration: Europlug 2 PIN, Output Rating: 18 Watts, Power rating with convection cooling (W) , 7-48V in 0.1V increments, Approvals: CE; Double Insulation; WEEE; PSE; China RoHS; RoHS; EAC; Ukraine; CB EN/IEC 60335-1; CE; CB 60601-1; CE; CCC;

Model Picture



Agency

Documents

CE

EC-Declaration [https://www.globtek.com/pdf/ec\\_declaration/a0Oa000000HUKP0EAL](https://www.globtek.com/pdf/ec_declaration/a0Oa000000HUKP0EAL)

RoHS/RoHS2

Declaration [https://www.globtek.com/pdf/rohs\\_cert/a0Oa000000HUKP0EAL](https://www.globtek.com/pdf/rohs_cert/a0Oa000000HUKP0EAL)

REACH

Declaration [https://www.globtek.com/pdf/iso\\_certificates/REACH.pdf](https://www.globtek.com/pdf/iso_certificates/REACH.pdf)

Conflict

Minerals <https://www.globtek.com/pdf/conflict-minerals.pdf>

Declaration

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Model:GTM41080-W2E

August 18, 2019

**Model Parameters**

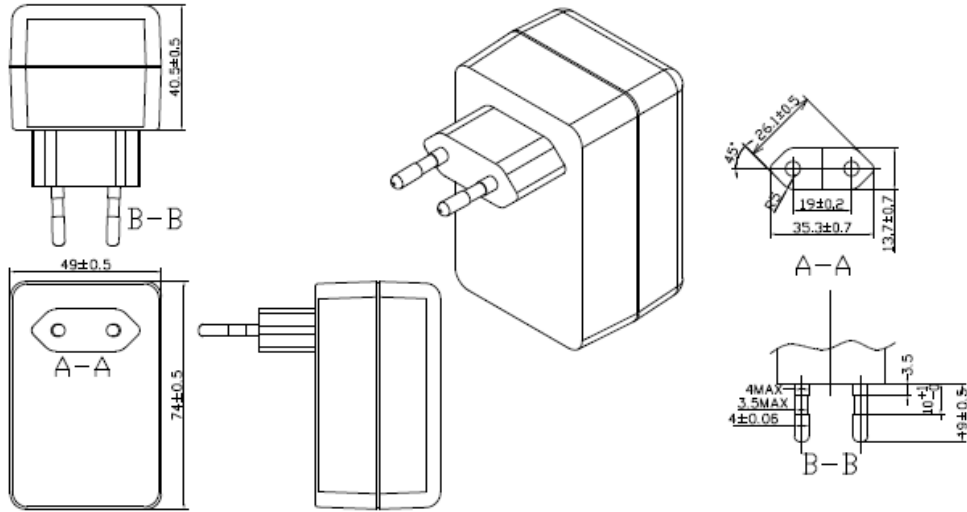
Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	Medical Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.6A
Wattage (W)	18.0
Vout Range (V)	7-48
Efficiency Level	Meets/Exceeds for Medical
Ingress Protection	
Size (mm)	

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Model:GTM41080-W2E

August 18, 2019

ENCLOSURE



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Model:GTM41080-W2E

August 18, 2019

**RATING TABLE**

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
a17a00000LICsoV				<a href="#">RFQ</a>

**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 at nominal input and full load

**B) PROTECTION**

01. Over-Voltage: Limited via crowbar method
02. Short Circuit: Momentary short circuit protected with auto recovery upon removal of short
03. Leakage Current: N/A for Class II units, there is no PE Ground pin, so Earth Leakage current is not measured
04. Touch Current: Maximum allowed values: 100uA NC(Normal condition) 500uA SFC(single fault condition)
05. Over-load: Hiccup with auto recovery
06. 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
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: <100 uA at 264Vac input voltage

**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: 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

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Model:GTM41080-W2E

August 18, 2019

DERATING CURVE

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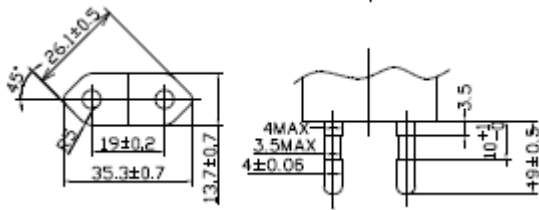
Model:GTM41080-W2E

August 18, 2019

## Input Configuration

Description European CEE 7/16 configuration: Europlug 2 PIN

The prongs of the Europlug are 19 mm long. They consist of a 9 mm long conductive tip of 4 mm diameter with a rounded ending, followed by a 10 mm long flexible insulated shaft of not more than 3.8 mm diameter. The two prongs are not exactly parallel and converge slightly; their centres are 19 mm apart at the tip and 18.6 mm apart at the base. The elasticity of the converging prongs provides sufficient contact force for the Europlug's current rating with a variety of socket-hole arrangements. The entire plug is 35.3 mm wide and 13.7 mm high, and must not exceed these dimensions within 18 mm behind its front plane (this allows for the recesses on many European socket types). The left and right side of the plug are formed by surfaces that are at 45° relative to the horizontal plan.



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Model:GTM41080-W2E

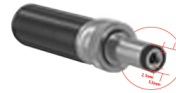
August 18, 2019

**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.














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Model:GTM41080-W2E

August 18, 2019

## Approvals

Logo	Description
No Logo Applicable	CB to IEC 60601-1:2005 (Third Edition) + CORR. 1:2006 + CORR. 2:2007 + A1:2012 (or IEC 60601-1: 2012 reprint)
No Logo Applicable	CB to 60335-1:2010 (Fifth Edition) incl. Corr. 1:2010 and Corr. 2:2011 + A1:2013
	CCC to GB4943.1-2011; GB/T9254-2008 GB17625.1-2012, Tropical <2000
	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
	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: <a href="http://en.globtek.com/globtek-rohs.php">http://en.globtek.com/globtek-rohs.php</a>
	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: <a href="http://en.globtek.com/importing-to-japan.php">http://en.globtek.com/importing-to-japan.php</a> .
RoHS	Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015/863-EU (ROHS-3) <a href="http://www.ce-mark.com/Rohs%20final.pdf">http://www.ce-mark.com/Rohs%20final.pdf</a>
 10276	Ukraine UKRSepr (Document: <a href="http://www.globtek.com/html/iso_certificates/GT_Ukraine.pdf">www.globtek.com/html/iso_certificates/GT_Ukraine.pdf</a> )
	WEEE: Complies with EU 2012/19/EU ( <a href="http://ec.europa.eu/environment/waste/weee/index_en.htm">http://ec.europa.eu/environment/waste/weee/index_en.htm</a> ) Mark is on the label or Molded in the case