

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

Model:GTM41080CC

June 24, 2019

GTM41080CC

Information

Model Number GTM41080CC

Description GTM41080CC, Medical Power Supply/Class 2 Power Supply, 60601-1-4th Ed. , Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, Blade Options for Q Series Wall Plug-in Power Supplies, Output Rating: 18 Watts, Power rating with convection cooling (W) , 5-48V in 0.1V increments, Approvals: CE; cRUus; Double Insulation; WEEE; RoHS; China RoHS; Designed to meet EN 60601-1; Designed to meet 60335; PSE; VCCI; Ukraine; EAC; Level V; CB EN/IEC 60335-1; NOM; CE; CB 60601-1; CE; BIS;

Model Picture



Agency

Documents <http://www.globtek.info/certs/GTM41080/>

CE

EC-Declaration https://www.globtek.com/pdf/ec_declaration/a0Oa000000MgbHqEAJ

RoHS/RoHS2

Declaration https://www.globtek.com/pdf/rohs_cert/a0Oa000000MgbHqEAJ

REACH

Declaration https://www.globtek.com/pdf/iso_certificates/REACH.pdf

Conflict

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

Declaration

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

Model:GTM41080CC

June 24, 2019

Model Parameters

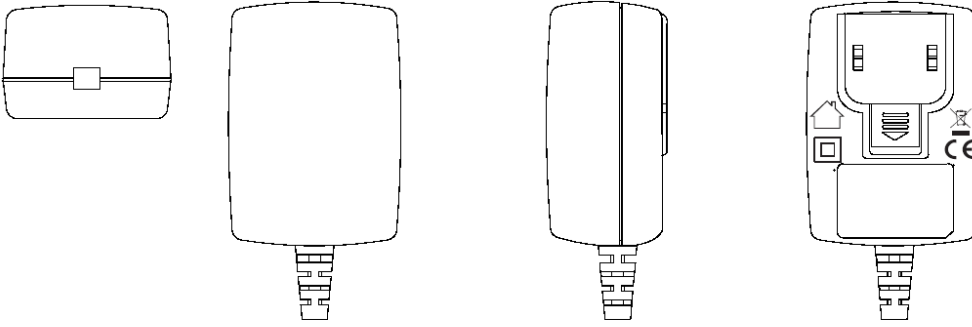
Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	Medical Power Supply/Class 2 Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.6 A
Wattage (W)	18.0
Vout Range (V)	5-48
Efficiency Level	V
Ingress Protection	
Size (mm)	

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

Model:GTM41080CC

June 24, 2019

ENCLOSURE



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

Model:GTM41080CC

June 24, 2019

RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GTM41080CC-1807	7 V	2.57	17.99	RFQ
GTM41080CC-1811	11 V	1.67	18.37	RFQ
GTM41080CC-1017.9-2.9	15 V	0.65	9.75	RFQ
GTM41080CC-1817.9	17.9 V	1	17.90	RFQ
GTM41080CC-1330-12	18 V	0.7	12.60	RFQ
GTM41080CC-1830	30 V	0.6	18.00	RFQ
GTM41080CC-1838	38 V	0.47	17.86	RFQ
GTM41080CC-1848	48 V	0.38	18.24	RFQ
GTM41080CC-1830-10.02	0.5 V	0.5		RFQ

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

Model:GTM41080CC

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*
04. Line Voltage Regulation: +/- 1% typical measured 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 the output connector at nominal line
06. Turn-ON/OFF Overshoot: 5% maximum, 1 mS typical recovery time for 25% to 50% step load
07. Turn-ON Delay: 3000 mS, maximum @ full load, nominal line
08. Hold-Up Time: 8 mS typical @ nominal input voltage and full load
09. Inrush Current: 30A maximum cold start @ 240Vac input
10. Switching Frequency: 65 KHz typical
11. Efficiency: Compliant with Worldwide Level V standards.
12. No Load Standby Power: <0.3 W

B) PROTECTION

01. Over-Voltage: Electronically Protected Zener clamp across the output
02. Short Circuit: Electronically Protected unit will auto recover upon removal of fault
04. Input Protection: Input line and neutral fusing

C) SAFETY

01. Dielectric Withstand Voltage: 5656Vdc from primary to secondary
02. Earth Leakage Current: N/A for Class II units, there is no PE Ground pin, so Earth Leakage current is not measured
03. Touch Current: Maximum allowed values: 100uA NC(Normal condition) 500uA SFC(single fault condition)
04. Means of Protection: 2 x MOPP
05. Primary to Secondary Bridging Capacitor: (2) * Y1 type capacitors in series

D) OTHER:

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

E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 43.5 x 74.0 x 35.3 +/-1.0 mm
03. Markings: Label and/or Pad Printed and/or Molded in the case

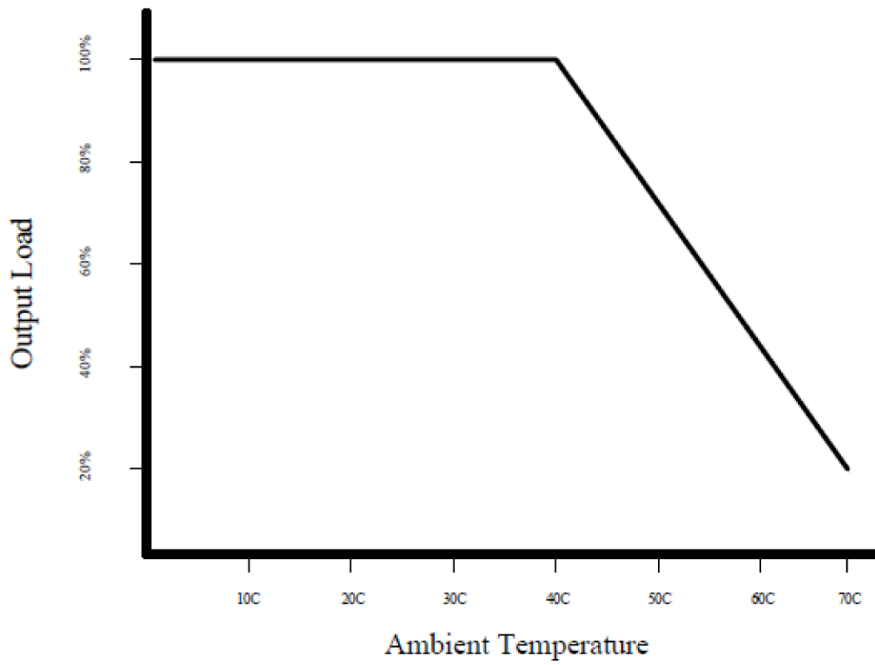
* 5Vdc USB output connector power supplies, which use the Micro-B or C-type style connector, have a max output voltage regulation specification of +/-8% (4.6V to 5.4V range).

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

Model:GTM41080CC

June 24, 2019

DERATING CURVE



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

Model:GTM41080CC

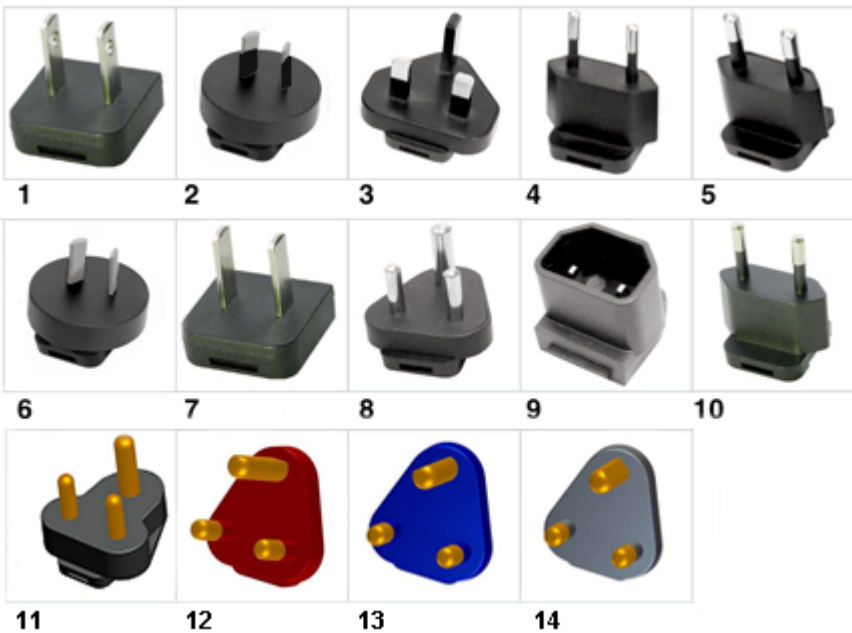
June 24, 2019

Input Configuration

Description Blade Options for Q Series Wall Plug-in Power Supplies

 Data Sheet: <http://en.globtek.com/interchangeable-blades.php>

 Insertion Instructions: <http://www.globtek.com/pdf/Instructions-Interchangeable-Blades.pdf>

 Video: [Q-Blade Style Instruction Video](#)


INPUT CONNECTOR: Q-Socket (below are available blades configurations which are "not included" (unless stated above); can be purchased separately, package with power supply or as a separate "Q-KIT" if specified

- 01. United States / Canada / Japan NEMA 1-15P/IEC PLUG A [WORKS IN PLUG B] configuration: NA 2 blades, Class II; US/CA/JP P/N: Q-NA(R)
- 02. Australian AS 3112 configuration: SAA 2 blade/IEC TYPE I, Class II; AU P/N: Q-SAA(R)
- 03. UK BS 1363 configuration: UK 3 blade with dummy Ground/IEC TYPE G, Class II; GB P/N: Q-UK(R)
- 04. European CEE 7/16 configuration: Europlug 2 pins/IEC TYPE C [WORKS IN TYPE E&F], Class II; EU P/N: Q-EU(R)
- 05. Korean KS C8305 configuration: 2 pins/SIMILAR TO IEC TYPE C, Class II; KR P/N: Q-KR(R)
- 06. Argentina IRAM 2073 configuration: 2 blades/SIMILAR TO IEC TYPE I; AR P/N: Class II Q-AR(R)
- 07. China GB 2099 configuration: 2 blades/SIMILAR TO TYPE A, Class II; CN P/N: Q-CN(R)
- 08. India IS 1293 6A/BS546 configuration: 5A, 3 pins with Dummy Ground, Class II/IEC TYPE D; IN P/N: Q-IN(R)
- 09. IEC320/C18 Inlet, Class II; P/N: Q-C18(R)
- 10. Brazilian NBR6147 configuration: 2 pins, Class II; SIMILAR TO IEC TYPE C BR P/N: Q-BR(R)
- 11. South Africa SABS164-1, 3 round prongs, Class II + dummy ground, IEC TYPE M P/N: Q-SANS164-1-16A(R)
- 12. South Africa SABS164-4, 3 round prongs with a notched prong @ 0°, Class II + dummy ground, IEC TYPE M Red, P/N: Q-SANS164-4L-16A(R)

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

Model:GTM41080CC

June 24, 2019

13. South Africa SABS164-4, 3 round prongs with a notched prong @ -53°, Class II + dummy ground, Blue, IEC TYPE M, P/N:
Q-SANS164-4C-16A(R)
14. South Africa SABS164-4, 3 round prongs with a notched prong @ +53°, Class II + dummy ground, Black, IEC TYPE M P/N:
Q-SANS164-4R-16A(R)

Kits

- 01. Q-KIT: 1,2,3,4 above
- 02. Q-KIT-INTL: 2,3,4 above
- 03. Q-KIT-6: 1,2,3,4,5,6 above
- 04. Q-KIT-7: 1,2,3,4,5,6,7 above
- 05. Q-KIT-8: 1,2,3,4,5,6,7,8 above

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

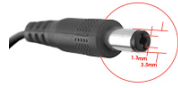
Model:GTM41080CC

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](#)






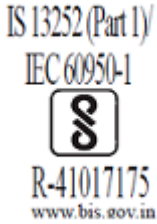




Contact GlobTek for your specific requirements or custom solutions.

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

Model:GTM41080CC

June 24, 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
	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: http://en.globtek.com/globtek-rohs.php
No Logo	Designed to meet cRUus UL Recognized Component 3rd Edition w-RM ANSI-AAMI ES60601-1 (2005 + C1:09 + A2:10) and CAN-CSA-C22.2 No. 60601-1 (2008) 3rd Edition
No logo	Designed to meet EN 60335-1 (Safety of Household and Similar Electrical Appliances, Part 1: General Requirements) up to 36 volts
No Logo	Designed to meet EN 60601-1:2006 + A11:2011 +A1:2013 3rd Edition
	Certification # TC RU AR46.B.75423 Custom Union of Russia, Belarus and Kazakhstan
	Bureau Of Indian Standards for GTM41080-1817.9-5.9, GTM41080-1507 -2.0, GTM41080-1507-1.0, GTM41080-1811-2.0, GTM41080-1817.9-2.9, GTM41080CC1017.9-2.9, GTM41080-1830-12.0, GTM41080-1830-6.0, GTM41080-1838-2.0, GTM41080-1848
	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)
	NOM (Mexico) to NOM-001-SCFI-1993 GTM41080-1507-2.0 5V only
Fuente de alimentación	
	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: http://en.globtek.com/importing-to-japan.php .
GlobTek, Inc.	

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

Model:GTM41080CC

June 24, 2019

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
 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