

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

Model:GTM3T41R-W2U

May 14, 2024

GTM3T41R-W2U

Information

Model Number	GTM3T41R-W2U
Description	GTM3T41R-W2U, Medical Power Supply, Wall Plug-in, Regulated Linear AC-DC Power Supply AC Adaptor, , Input Rating: 240V~ / 50 Hz, UK BS 1363, 2 Blade w/Dummy Ground Class II, Output Rating: 1.8 Watts, Power rating with convection cooling (W) , 3.3-48V in 0.1V increments, Approvals: CE; UKCA; Double Insulation; China RoHS; WEEE; RoHS;
Model Picture	
Agency Documents	http://www.globtek.info/certs/GTM3/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0Oa000000HUQ6REAX
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0Oa000000HUQ6REAX
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:GTM3T41R-W2U

May 14, 2024

MODEL PARAMETERS

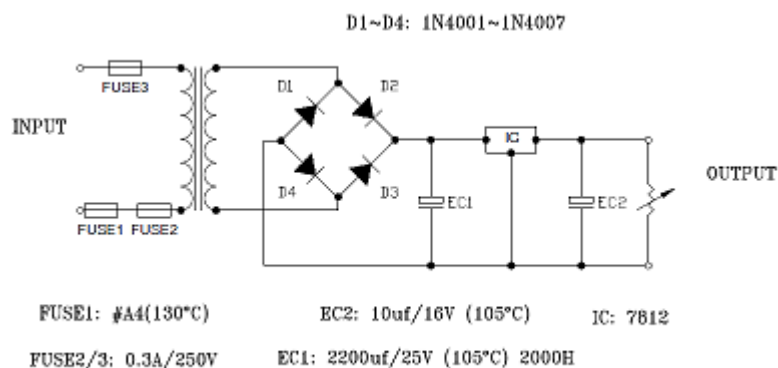
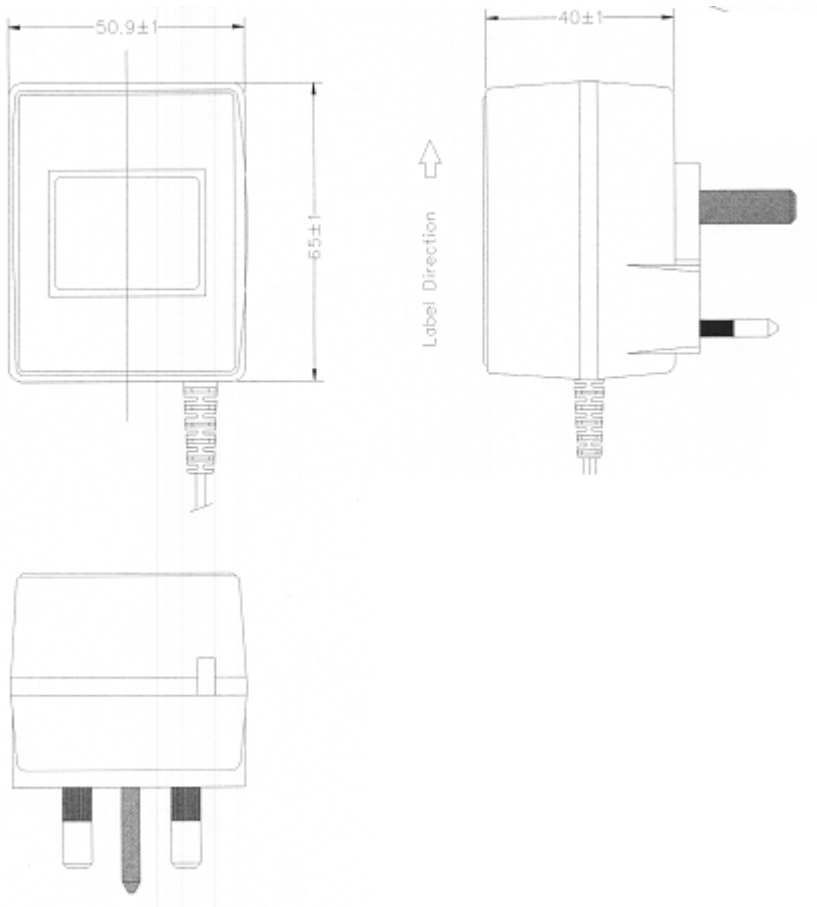
Type	Wall Plug-in
Technology	Regulated Linear AC-DC Power Supply AC Adaptor
Category	Medical Power Supply
Input Voltage	240V~ / 50 Hz
I/P Amps (A)	60 mA
Wattage (W)	1.8
Vout Range (V)	3.3-48
Efficiency Level	Meets/Exceeds for Medical
Ingress Protection	Indoor Use
Size (mm)	65*50.9*40 mm

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

Model:GTM3T41R-W2U

May 14, 2024

ENCLOSURE



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

Model:GTM3T41R-W2U

May 14, 2024

RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
a17a000000LICsL	V			RFQ

Model:GTM3T41R-W2U

May 14, 2024

SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

01. Input Voltage: 240 Vac
02. Input Frequency: 50 Hz
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 50 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. Positive Voltage Regulator: LM78xx

B) PROTECTION

01. Over-Voltage: Electronically protected
02. Short Circuit: Electronically protected current limiting
03. Input Protection: Dual input line current fusing & thermal 130C fuse

C) SAFETY

01. Dielectric Withstand Voltage: 4000 Vac from primary to secondary
02. Earth Leakage Current: <0.5 mA at 240Vac input voltage

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

E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 65*50.9*40 mm +/- 1.0
03. Markings: Label and/or Pad Printed and/or Molded in the case

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

Model:GTM3T41R-W2U

May 14, 2024

DERATING CURVE

Model:GTM3T41R-W2U

May 14, 2024

INPUT CONFIGURATION

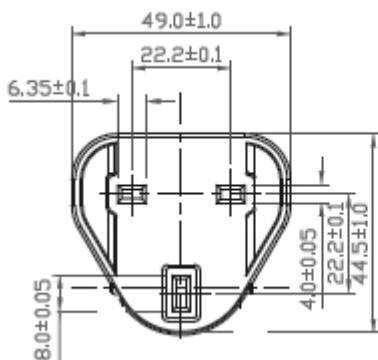
Description

UK BS 1363, 2 Blade w/Dummy Ground Class II

The line and neutral pins have a rectangular cross section 6.35 mm by 4.0 mm, 17.7 mm long and with centres 22.2 mm apart. The protective-earth pin is a rectangular cross section 8.0 mm by 4.0 mm, 22.3 mm long and with a centre line 22.2 mm from the line/neutral pin centre line. The dimensions were originally specified in decimal inches with asymmetric tolerances and redefined as minimum and maximum metric dimensions in BS 1363:1984.

Dimensions are chosen to provide safe clearance to live parts. The distance from any part of the line and neutral pins to the periphery of the plug base must be not less than 9.5 mm. This ensures that nothing can be inserted alongside a pin when the plug is in use, and helps keep fingers away from the pins. The minimum insertion distance from the face of the socket-outlet to the first point of contact with a live part is 9.6 mm.

The "Dummy" longer earth pin ensures that the earth path is connected before the live pins, and remains connected after the live pins are removed. The earth pin is too large to be inserted into the line or neutral sockets by mistake.



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

Model:GTM3T41R-W2U

May 14, 2024

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:GTM3T41R-W2U

May 14, 2024

Approvals

Logo	Description
	Attention Mark / Refer to operating manual for operating and service 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
	
	Indoor Use Only - Mark is on the label or Molded in the case
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
	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