

Model:GT-21148-WWVV-T3

April 30, 2024

GT-21148-WWVV-T3

Information

Model Number	GT-21148-WWVV-T3
Description	GT-21148-WWVV-T3, ICT/ITE Power Supply, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C6 AC Inlet Connector, Class I, Earth Ground (aka "Mickey Mouse"), Output Rating: 30 Watts, Power rating with convection cooling (W) , 12-24V in 0.1V increments, Approvals: PSE; IP40; NEMKO GS; CB 60950; Designed to meet EN 60601-1; cUL 60950; CE; Class I; Ukraine; GOST-R; China RoHS; RoHS; WEEE; LPS 60950;
Model Picture	
Agency Documents	http://www.globtek.info/certs/GT-21148/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0O30000007P7ZQEA0
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0O30000007P7ZQEA0
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:GT-21148-WWVV-T3

April 30, 2024

MODEL PARAMETERS

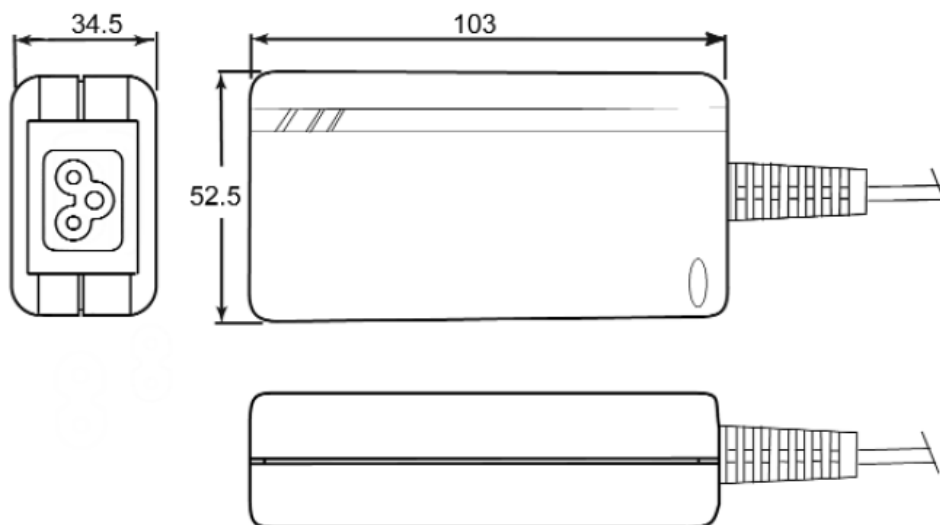
Type	Desktop/External
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	1.0A Max
Wattage (W)	30.0
Vout Range (V)	12-24
Efficiency Level	N/A
Ingress Protection	IP40
Size (mm)	103*53*35

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

Model:GT-21148-WWVV-T3

April 30, 2024

ENCLOSURE



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

Model:GT-21148-WWVV-T3

April 30, 2024

RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-21148-2005-T3	5 V	4	20.00	RFQ
GT-21148-2506-T3	6 V	4.17	25.02	RFQ
GT-21148-2709-T3	9 V	3	27.00	RFQ
GT-21148-2309-T3	9 V	2.5	22.50	RFQ
GT-21148-3012-T3	12 V	2.5	30.00	RFQ
GT-21148-2412-T3	12 V	2	24.00	RFQ
GT-21148-3015-T3	15 V	2	30.00	RFQ
GT-21148-3016-T3	16 V	1.9	30.40	RFQ
GT-21148-3018-T3	18 V	1.7	30.60	RFQ
GT-21148-3019-T3	19 V	1.6	30.40	RFQ
GT-21148-3020-T3	20 V	1.5	30.00	RFQ
GT-21148-3024-T3	24 V	1.25	30.00	RFQ
GT-21148-2424-T3	24 V	1	24.00	RFQ
GT-21148-1224-T3	24 V	0.5	12.00	RFQ

Model:GT-21148-WWVV-T3

April 30, 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: +/- 5% measured at the output connector
04. Line Voltage Regulation: +/- 1% typical measured at full load
05. Output Ripple : 1% of output voltage, peak to peak, typical
06. Turn-ON/OFF: 5% maximum, 1 mS typical recovery time for 25% step load
07. Turn-ON Delay: 1 Second, typical
08. Hold-Up Time: 10 mS typical at nominal input voltage and full load
09. Inrush Current: 30A typical at 115Vac and 40A typical at 230Vac 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 by crowbar method
02. Over Load/Short Circuit: Momentary short circuit protected, output will auto recovery upon removal of short
03. Input Protection: Input line fusing

C) SAFETY

01. Dielectric Withstand Voltage: 4242 Vdc from primary to secondary (for Class II with functional ground)
02. Touch Current: <0.25mA @ 240Vac input voltage
03. Earth continuity test:<0.1Ω or < 0.2Ω when with a non-DETACHABLE POWER SUPPLY CORD

D) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: 0°C to 25°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 China SJ/T 11363-2006

E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 103.0*52.5*34.5 +/-1.0 mm
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:GT-21148-WWVV-T3

April 30, 2024

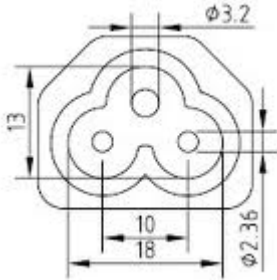
DERATING CURVE

Model:GT-21148-WWVV-T3

April 30, 2024

INPUT CONFIGURATION

Description IEC 60320/C6 AC Inlet Connector, Class I, Earth Ground (aka "Mickey Mouse")



Mates with IEC 60320/C5 Plug

Standard International IEC 320/C5 Cordsets

Below are standard cordsets which are "not included" (unless stated above); these can be purchased separately or package with the power supply. Contact your Sales Engineer if the style required is not shown below. Many more available in different lengths, colors or cable material.

Part Number / Link	Country	Plug	Connector	Length (mm)	Length (ft)
3021066F712(R)	N. American (Type B)	NEMA 5-15P	IEC 320/C5 1880	6	
1191068F0712(R)	N. American (Type B)	NEMA 5-15P Hospital	IEC 320/C5 2459	8	
2194262M0712(R)	Argentina (Type I)	IRAM 2073	IEC320/C5 2050	6.7	
2064262M0712(R)	Australian (Type I)	AS3112 / 3 PRONG	IEC 320/C5 2000	6.6	
204B4262M0712(R)	Brazil (Type N)	BRAZIL	IEC 320/C5 2000	6.6	
6023592M5712(R)	China (Type I)	CCC GR2099	IEC 320/C5 2500	8	
23144262M0712(R)	Europe (Type E)	CEE 7/7	IEC 320/C5 2050	6.6	
2313K3432M0712(R)	Korea (Type F)	KS C 8305	IEC 320/C5 2000	6.6	
205IN4262M0712(R)	India (Type D)	India IS 1293 (also known as IA16A3 or BS546)	IEC320/C5 2000	6.6	
377C4262M0712(R)	Israel (Type H)	ISL	IEC320/C5 2050	6.7	
23024262M0712(R)	Italy (Type L)	CEI 23-16/VII	IEC 320/C5 2000	6.6	
3003316F0712(R)	Japan (Type B)	JIS 8303 / 3 PINS	IEC 320/C5 1830	6	
	Japan / USA	JIS 8303 / 3 PINS +			

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/PZacQrSVCZx/A9anhkmRvyf.html>

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

Model:GT-21148-WWVV-T3

April 30, 2024

3021066F0712ULPSE(R) (Type B)	NEMA 5-15P	IEC 320/C5 1830	6
2054262M0712(R)	S. Africa (Type D) South Africa SABS164-1 (6A type plug)	IEC320/C5 2050	6.7
2084262M0712(R)	S.Africa (Type M) South Africa SABS164-1 (16A type plug)	IEC 320/C5 2000	6.6
23214262M0712(R)	Switzerland (Type J) SEV 1011 (EL 203)	IEC 320/C5 2000	6.6
3003316F0712(R)	Taiwan (Type B) BSMI	IEC 320/C5 2000	6.6
6104262M0712(R)	UK, Hong Kong, Singapore, Gulf States (Type G) BS1363	IEC 320/C5 2000	6.6

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

Model:GT-21148-WWVV-T3

April 30, 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:GT-21148-WWVV-T3

April 30, 2024

Approvals

Logo	Description
	Attention Mark / Refer to operating manual for operating and service instructions
No Logo	CB Certificate IEC 60950-1:2005 (2nd Edition), Am 1: 2009, CB report IEC 60950-1:2005 (2nd Edition), Am 1: 2009 and EN 60950-1:2006 + Am 1:2010 + Am 11:2009 + Am 12:2011
	CE Mark: tested to comply with EN55022:2006/A1:2007 Class B, EN610003-2, EN610003-3 including EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11; EMI: Complies with EN55011 CLASS B and FCC Part 15B - On label or Molded in case
	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
	UL60950-1, cULus to UL 60950-1, 1st Edition, 2007-10-31 and CSA C22.2 No. 60950-1-03, 1st Edition, 2006-07
No Logo	Designed to meet EN 60601-1:2006 + A11:2011 +A1:2013 3rd Edition
	GOST-R mark for Russia(Document: http://www.globtek.com/html/iso_certificates/GT_GOST-R.pdf). 03/15/2015. Due to lack of demand, GlobTek will not be renewing it's GOST certification. Please contact your sales engineer for pricing on EAC.
	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
LPS	Limited Power Source 60950
	Nemko GS certificate for GT-21148 for 12-24V

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/PZacQrSVCZx/A9anhkmRvyf.html>

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

Model:GT-21148-WWVV-T3

April 30, 2024

 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: https://www.globtek.com/r2/Szj4Vb
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
 RoHS Symbol Series NO. Class NO for production YEAR WEEK	Serial Number Information
	UKCA Certification
 10276	Ukraine UKRSepr (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf)
	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