

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

Model:GT-41082-WWVV-T3A

July 25, 2021

GT-41082-WWVV-T3A

Information

Model Number	GT-41082-WWVV-T3A
Description	GT-41082-WWVV-T3A, 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: 18 Watts, Power rating with convection cooling (W) , 5-15V in 0.1V increments, Approvals: CCC; CB 60950; CE; China RoHS; Class I; GOST-R; Level V; LPS 60950; NEMKO 60950; NrcAN; PSE; RoHS; WEEE; Ukraine; VCCI; cULus;
Model Picture	
Agency Documents	http://www.globtek.info/certs/GT-41082-T2-T3(A)/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0Oa000000BzwG6EAJ
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0Oa000000BzwG6EAJ
REACH Declaration	https://www.globtek.com/pdf/iso_certificates/REACH.pdf
Conflict Minerals Declaration	https://www.globtek.com/pdf/conflict-minerals.pdf

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MODEL PARAMETERS

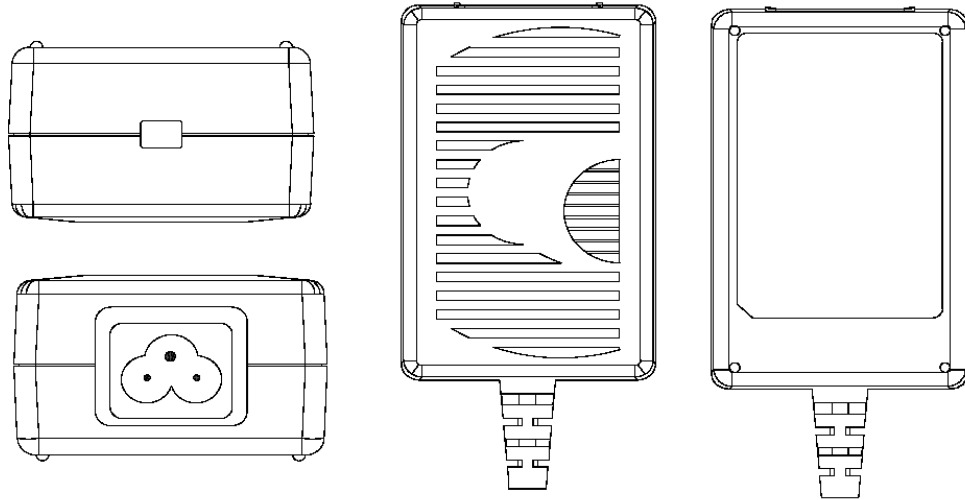
Type	Desktop/External
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.5A
Wattage (W)	18.0
Vout Range (V)	5-15
Efficiency Level	V
Ingress Protection	
Size (mm)	50*81*31

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-41082-1505-T3A	5 V	3	15.00	RFQ
GT-41082-1806-T3A	6 V	3	18.00	RFQ
GT-41082-1812-3.0-T3A	9 V	2	18.00	RFQ
GT-41082-1812-T3A	12 V	1.5	18.00	RFQ
GT-41082-1815-T3A	15 V	1.2	18.00	RFQ

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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

01. Input Voltage: 100-240 Vac
02. Input Current: 0.6 A RMS max
03. Input Frequency: 47 - 63 Hz
04. Output Regulation: +/- 5% measured at the output connector
05. Line Voltage Regulation: +/- 1% typical measured at the output connector
06. 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
07. Turn-ON/OFF Overshoot: 5% maximum, 1 mS typical recovery time for 25% to 50% step load
08. Turn-ON Delay: 1 Second, Typical
09. Hold-Up Time: 8 mS typical @ nominal input voltage and full load
10. Inrush Current: 30A Typical at 115VAC input and 60A typical at 230VAC input
11. Switching Frequency: 65 KHz typical

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
03. Input Protection: Input line fusing

C) SAFETY

01. Dielectric Withstand Voltage: 4242Vdc from primary to secondary
02. Earth Leakage Current: <3.5 mA at 240Vac input voltage
03. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

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

E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 50.0*80.6*31.1 mm +/-1.0 mm
03. Markings: Label and/or Pad Printed and/or Molded in the case

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DERATING CURVE

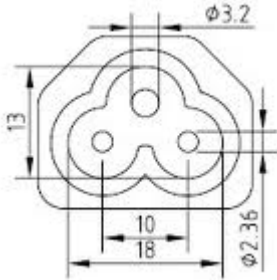
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INPUT CONFIGURATION

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 +			

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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

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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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Approvals

Logo	Description
No Logo Applicable	CB report to IEC 60950-1(ed.2);am1;am2
	CCC to GB4943.1-2011; GB/T9254-2008 GB17625.1-2012, Tropical <2000
	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://en.globtek.com/globtek-rohs.php
	UL60950-1, cULus to UL 60950-1, 2nd Edition, 2007-03-27 and CSA C22.2 No. 60950-1-07, 2nd Edition, 2007-03
	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
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)
LPS	Limited Power Source 60950
 Apparatet må tilkoples jordet stikkontakt	NEMKO IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2:2013

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	Natural Resources Canada (NRCAN): CSA Standard C381.1-08, QSP NRCAN EEV1191; http://shop.csa.ca/en/canada/energy-efficiency/canrsa-c3811-08/inv/27024802008
 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: http://en.globtek.com/importing-to-japan.php .
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 UKRSepr (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