

Model:GT-81085-15VV-x.x-W2

May 3, 2024

GT-81085-15VV-x.x-W2

Information

Model Number	GT-81085-15VV-x.x-W2
Description	GT-81085-15VV-x.x-W2, ICT/ITE Power Supply, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~ , 50/60Hz, NEMA 1-15P, North America Blades, Class II 2 Conductors, Output Rating: 15 Watts, Power rating with convection cooling (W) , 5-24V in 0.1V increments, Approvals: RoHS; WEEE; China RoHS; Double Insulation; CB 60950; Level V; EC; cULus; IP41; LPS 60950; PSE; Designed to meet EN 60601-1; Level 3;
Model Picture	
Agency Documents	http://www.globtek.info/certs/GT-81085/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0O30000007P7YyEAK
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0O30000007P7YyEAK
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

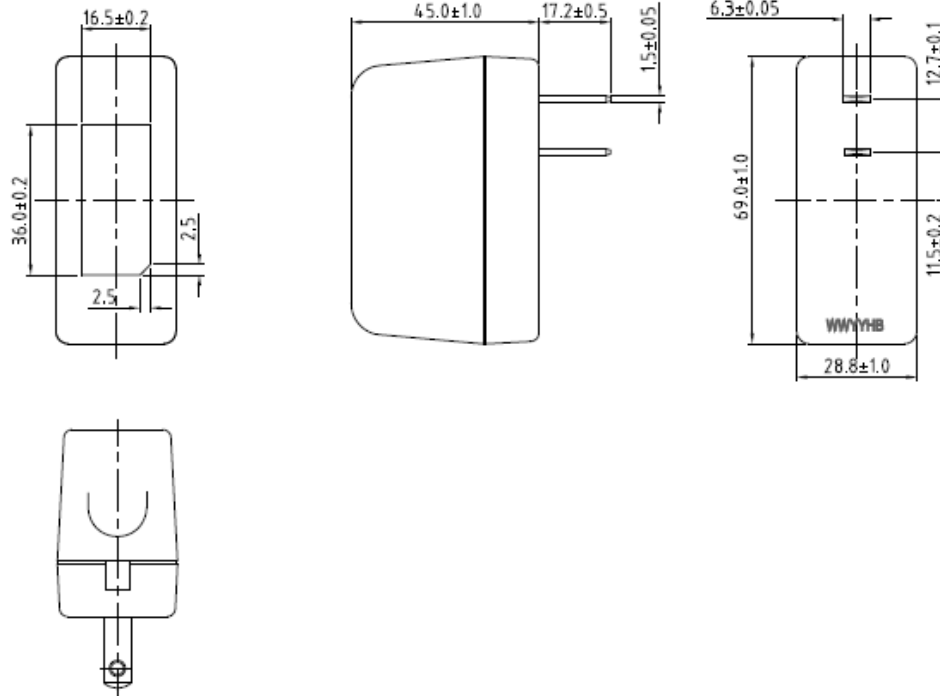
Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply
Input Voltage	100-240V~, 50/60Hz
I/P Amps (A)	0.5A
Wattage (W)	15.0
Vout Range (V)	5-24
Efficiency Level	V
Ingress Protection	IP41
Size (mm)	69.0*28.8*45.0

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-81085-1307.5-2.5-W2	5 V	2.5	12.50	RFQ
GT-81085-1307.5-1.5-W2	6 V	2.16	12.96	RFQ
GT-81085-1307.5-W2	7.5 V	1.73	12.98	RFQ
GT-81085-1513.5-4.5-W2	9 V	1.5	13.50	RFQ
GT-81085-1513.5-1.5-W2	12 V	1.25	15.00	RFQ
GT-81085-1513.5-W2	13.5 V	1.1	14.85	RFQ
GT-81085-1516.6-3.0-W2	13.6 V	1.1	14.96	RFQ
GT-81085-1516.6-1.6-W2	15 V	1	15.00	RFQ
GT-81085-1516.6-W2	16.6 V	0.9	14.94	RFQ
GT-81085-1524-6.0-W2	18 V	0.83	14.94	RFQ
GT-81085-1224-W2	24 V	0.5	12.00	RFQ

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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: +/- 2% typical measured at full load
- 05. Output Ripple (Vp-p): +/-1% or 120 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: 1 Sec, typical @ full load, nominal line
- 08. Hold-Up Time: 5 mS typical @ nominal input voltage and full load
- 09. Switching Frequency: 50 KHz typical

B) PROTECTION

- 01. Over-Voltage: Electronically Protected unit will auto recover upon removal of fault
- 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. Touch Current: <0.25mA @ 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
- 06. Ingress Protection: IP41
- 07. 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: 69.0*28.8*45.0 +/-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	NEMA 1-15P, North America Blades, Class II 2 Conductors
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All NEMA 1 devices are two-wire non-grounding devices (hot-neutral) rated for 125 V maximum. NEMA 1-15P plugs have two parallel flat blades, 0.25 inches (6.35 mm) wide, 0.06 inches (1.524 mm) thick, 0.625-0.718 inches (15.875–18.256 mm) long, and spaced 0.5 inches (12.7 mm) apart.

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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
	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
	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, 2nd Edition, 2007-03-27 and CSA C22.2 No. 60950-1-07, 2nd Edition, 2007-03
No Logo	Designed to meet EN 60601-1:2006 + A11:2011 +A1:2013 3rd Edition
	EC-Conformity Declaration: http://www.globtek.com/html/iso_certificates/EC-DECLARATION.pdf , REACH 144 SVHC: http://www.globtek.com/html/iso_certificates/Reach144.pdf
	Indoor Use Only - Mark is on the label or Molded in the case
IP41	Ingress Protection: ?IP41 to IEC60529:2001 Protection against granular foreign bodies - Protected against vertically falling drops of water
LEVEL 3	LEVEL 3
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
 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

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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
	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