

Model:GT-81085-15VV-x.x-W2A

April 29, 2024

GT-81085-15VV-x.x-W2A

Information

Model Number	GT-81085-15VV-x.x-W2A
Description	GT-81085-15VV-x.x-W2A, ICT/ITE Power Supply, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, Australian AS 3112 configuration: SAA 2 pins Class II, Output Rating: 15 Watts, Power rating with convection cooling (W) , 5-24V in 0.1V increments, Approvals: China RoHS; Double Insulation; EC; Level V; RoHS; WEEE; RCM; Designed to meet EN 60601-1; IP41; CB 60950;
Model Picture	
Agency Documents	http://www.globtek.info/certs/GT-81085/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0Oa000000HStP8EAL
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0Oa000000HStP8EAL
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~, 50-60 Hz
I/P Amps (A)	0.5A
Wattage (W)	15.0
Vout Range (V)	5-24
Efficiency Level	V
Ingress Protection	
Size (mm)	69*29*45

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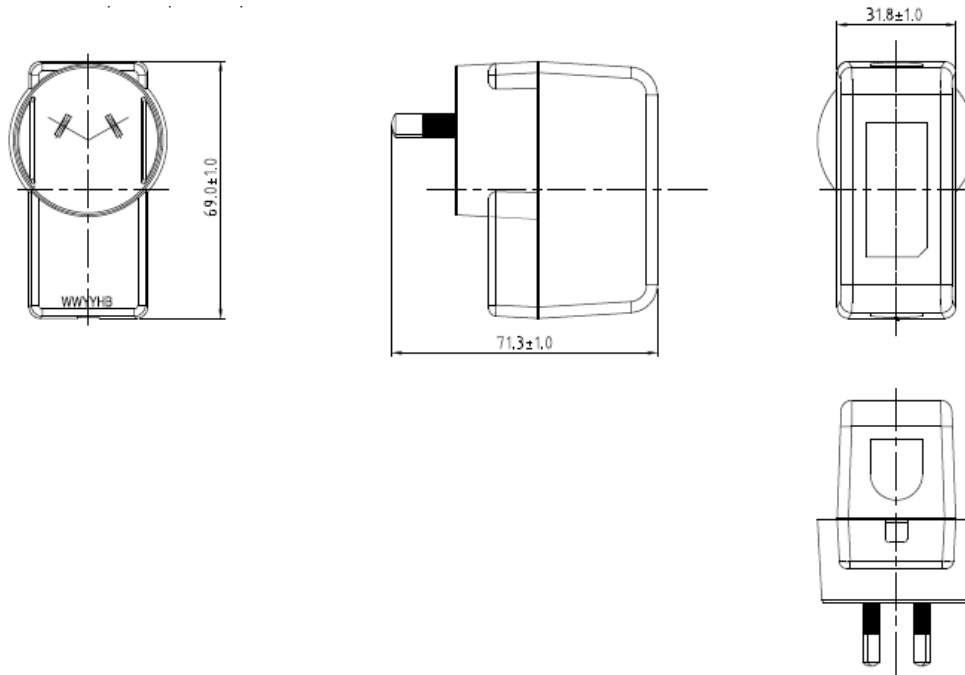
<https://www.globtek.com/ds/LwZFzEUjahS/bBq6XBPbLyE.html>

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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-W2A	5 V	2.5	12.50	RFQ
GT-81085-1307.5-1.5-W2A	6 V	2.16	12.96	RFQ
GT-81085-1307.5-W2A	7.5 V	1.73	12.98	RFQ
GT-81085-1513.5-4.5-W2A	9 V	1.5	13.50	RFQ
GT-81085-1513.5-1.5-W2A	12 V	1.25	15.00	RFQ
GT-81085-1513.5-W2A	13.5 V	1.1	14.85	RFQ
GT-81085-1516.6-3.0-W2A	13.6 V	1.1	14.96	RFQ
GT-81085-1516.6-1.6-W2A	15 V	1	15.00	RFQ
GT-81085-1516.6-W2A	16.6 V	0.9	14.94	RFQ
GT-81085-1524-6.0-W2A	18 V	0.83	14.94	RFQ
GT-81085-1224-W2A	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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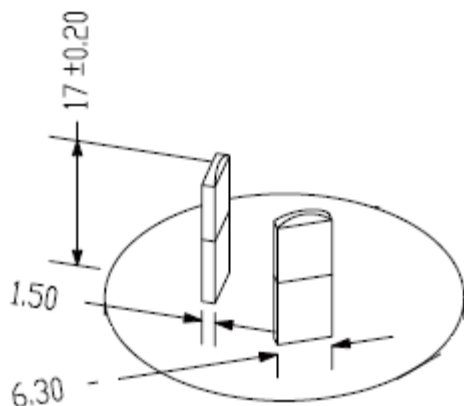
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INPUT CONFIGURATION

Description

Australian AS 3112 configuration: SAA 2 pins Class II

Used in [Australia](#), [New Zealand](#), [Fiji](#), [Papua New Guinea](#) and [Tokelau](#), has two flat pins forming an inverted V-shape. These flat blades measure 6.3 by 1.5 mm with the Active and Neutral pins of 17 mm in length set 30° to the vertical on a nominal pitch of 13.7 mm. A standard power outlet in Australia provides a nominal voltage of 230 volts at a maximum of 10 amps and always includes an earth connection. As in the UK, its outlets are individually switched for extra safety. [Argentina](#) uses a similar plug, with pins 1 mm longer.



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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
No Logo	Designed to meet EN 60601-1:2006 + A11:2011 +A1:2013 3rd Edition
	
No Logo	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
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)
 N136 SAA132244EA	RCM N136; Australia and New Zealand Regulatory Compliance, Mark (http://rcmstandards.org.au/rcmfaq/rcmfaq.htm
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