

Model:GT-83081-12VV-X.X-W2A

April 29, 2024

GT-83081-12VV-X.X-W2A

Information

Model Number	GT-83081-12VV-X.X-W2A
Description	GT-83081-12VV-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: 12 Watts, Power rating with convection cooling (W) , 3.3~28V in 0.1V increments, Approvals: China RoHS; Double Insulation; GOST-R; Level VI; RoHS; Ukraine; WEEE; LPS 60950;

Model Picture



Agency Documents	http://www.globtek.info/certs/GT-83081-W2Z/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0Oa000000MEsUIEA1
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0Oa000000MEsUIEA1
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

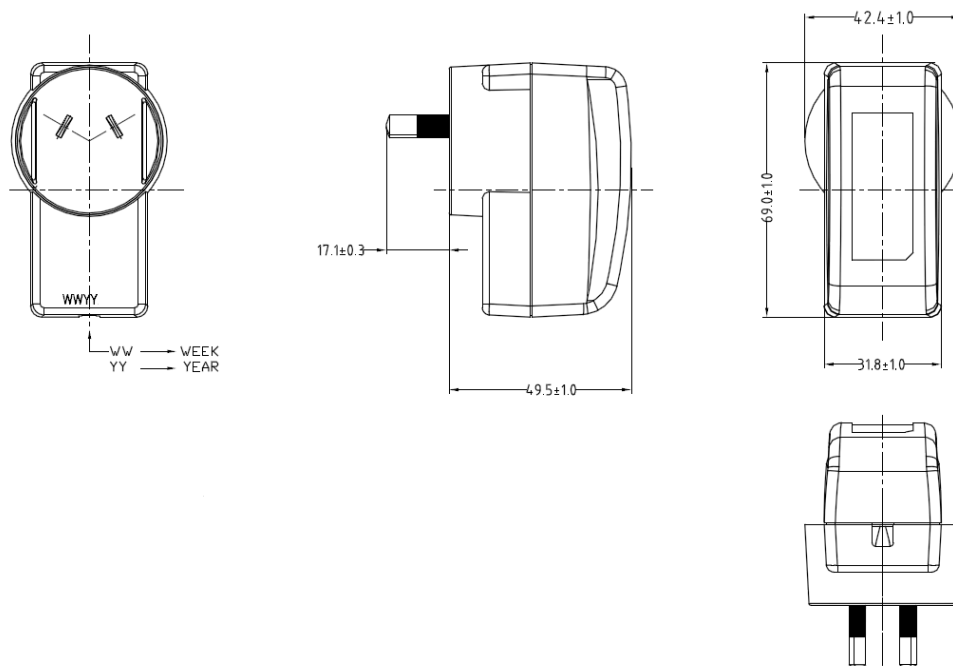
Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.5A
Wattage (W)	12.0
Vout Range (V)	3.3~28
Efficiency Level	V
Ingress Protection	IPX0
Size (mm)	69.0*42.4*49.5

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-83081-0703.3-W2A	3.3 V	2	6.60	RFQ
GT-83081-1005-W2A	5 V	2	10.00	RFQ
GT-83081-0906-W2A	6 V	1.5	9.00	RFQ
GT-83081-0807.5-W2A	7.5 V	1	7.50	RFQ
GT-83081-0909-W2A	9 V	1	9.00	RFQ
GT-83081-1212-W2A	12 V	1	12.00	RFQ
GT-83081-1213.3-W2A	13.3 V	0.9	11.97	RFQ
GT-83081-1215-W2A	15 V	0.8	12.00	RFQ
GT-83081-1028-W2A	28 V	0.35	9.80	RFQ

PROPRIETARY INFORMATION

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<https://www.globtek.com/ds/8UFoywA56XT/kmMToYoLjVY.html>

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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%
04. Ripple and Noise (Vp-p): 100 mVp-p maximum, At 20 MHz, and output parallel with 0.1uF & 10uF capacitors to ground. Temperature at 25 °C, and nominal input voltage
05. Average Efficiency: 75.95% minimum, At 115VAC/230VAC input voltage meet efficiency level: V
06. Turn-ON Delay: 3 Seconds maximum at nominal input voltage
07. Rise Time: 100mS maximum at nominal input voltage
08. Switching Frequency: 50 KHz typical

B) PROTECTION

01. Over-Voltage: protected
02. Over current protection: 2.2A maximum with auto-recovery function
03. Short Circuit: Short circuit protection is to be included in the construction of the adaptor. The adaptor is designed to withstand continuous current of a short circuit on the output. The adaptor will be short circuit tolerant for an indefinite period.

C) SAFETY

01. Dielectric Withstand Voltage: Primary To Secondary: 3000VAC 10mA 1minute or 4242VDC 10mA 1minute
02. Leakage Current: 0.25mA maximum, at nominal AC input voltage and frequency

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: natural convection cooling
06. 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. Markings: Label and/or Pad Printed and/or Molded in the case

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DERATING CURVE

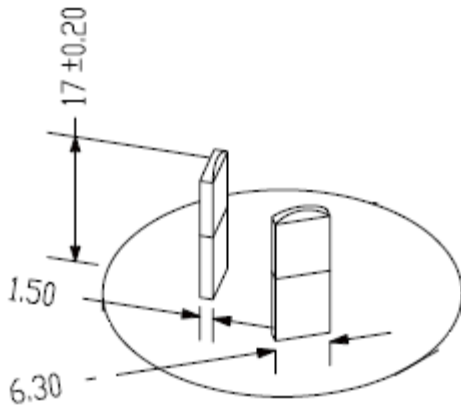
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INPUT CONFIGURATION

Description 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
	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
	
	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: 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
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 UKR Sepro (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