

Model:GT-81085-15VV-x.x-W2C

May 2, 2024

GT-81085-15VV-x.x-W2C

Information

Model Number	GT-81085-15VV-x.x-W2C
Description	GT-81085-15VV-x.x-W2C, ICT/ITE Power Supply, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, China GR 2099 configuration: 2 pins, Class II, Output Rating: 15 Watts, Power rating with convection cooling (W) , 5-24V in 0.1V increments, Approvals: CB 60950; China RoHS; Double Insulation; EC; Level V; LPS 60950; RoHS; SIQ; WEEE; CCC;
Model Picture	
Agency Documents	http://www.globtek.info/certs/GT-81085/
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0Oa000000HStQBEA1
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0Oa000000HStQBEA1
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-81085-15VV-x.x-W2C

May 2, 2024

MODEL PARAMETERS

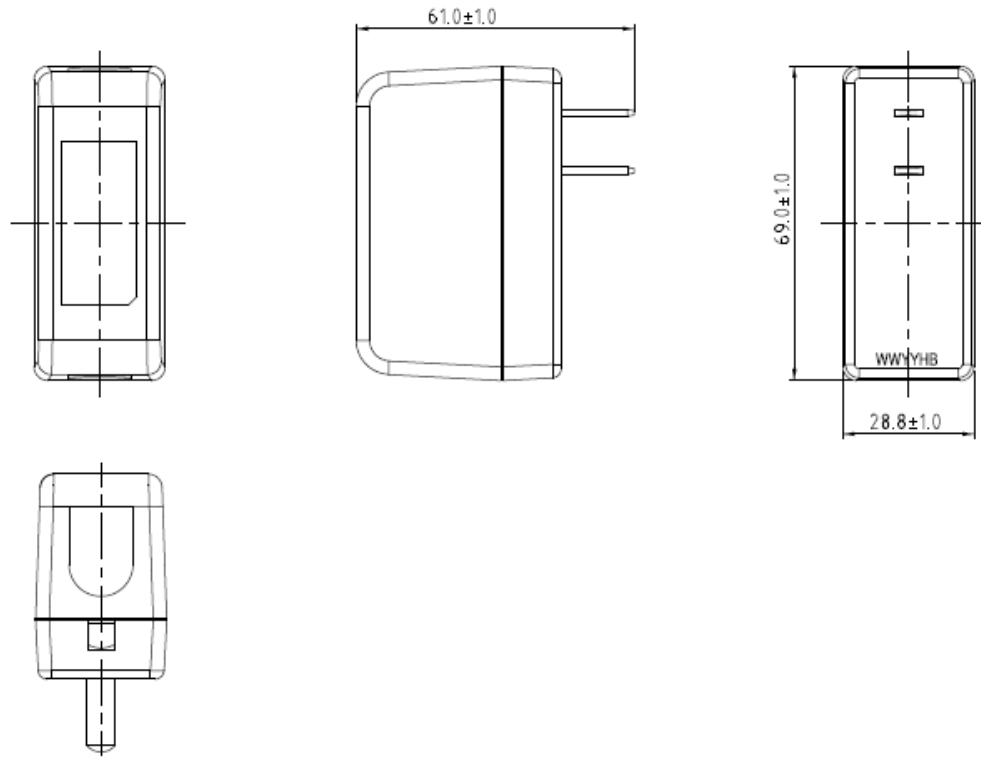
Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT/ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	1.0
Wattage (W)	15.0
Vout Range (V)	5-24
Efficiency Level	V
Ingress Protection	
Size (mm)	69*29*45

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

Model:GT-81085-15VV-x.x-W2C

May 2, 2024

ENCLOSURE



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

Model:GT-81085-15VV-x.x-W2C

May 2, 2024

RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-81085-1307.5-2.5-W2C	5 V	2.5	12.50	RFQ
GT-81085-1307.5-1.5-W2C	6 V	2.16	12.96	RFQ
GT-81085-1307.5-W2C	7.5 V	1.73	12.98	RFQ
GT-81085-1513.5-4.5-W2C	9 V	1.5	13.50	RFQ
GT-81085-1513.5-1.5-W2C	12 V	1.25	15.00	RFQ
GT-81085-1513.5-W2C	13.5 V	1.1	14.85	RFQ
GT-81085-1516.6-3.0-W2C	13.6 V	1.1	14.96	RFQ
GT-81085-1516.6-1.6-W2C	15 V	1	15.00	RFQ
GT-81085-1516.6-W2C	16.6 V	0.9	14.94	RFQ
GT-81085-1524-6.0-W2C	18 V	0.83	14.94	RFQ
GT-81085-1224-W2C	24 V	0.5	12.00	RFQ

Model:GT-81085-15VV-x.x-W2C

May 2, 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: +/- 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

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

Model:GT-81085-15VV-x.x-W2C

May 2, 2024

DERATING CURVE

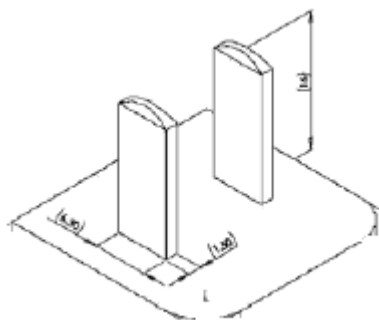
Model:GT-81085-15VV-x.x-W2C

May 2, 2024

INPUT CONFIGURATION

Description China GR 2099 configuration: 2 pins, Class II

The standard for Chinese plugs and sockets is set out in GB 2099.12008 and GB 10022008. As part of China's commitment for entry into the WTO, the new CPCS (Compulsory Product Certification System) has been introduced, and compliant Chinese plugs have been awarded the CCC Mark by this system. The plug is two conductor, non-earthed, rated at 10 A, 250 V and used for Class II applications. The Australian plug fits, though the pins on the Chinese plug are thinner and 1 mm (0.039 in) longer. China also uses American/Japanese NEMA 115 sockets and plugs for Class-II appliances. The voltage at a Chinese socket of any type is 220.



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

Model:GT-81085-15VV-x.x-W2C

May 2, 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-81085-15VV-x.x-W2C

May 2, 2024

Approvals

Logo	Description
No Logo	CB Report EN60950-1
	CCC to GB4943.1-2011; GB/T9254-2008 GB17625.1-2012, Tropical <2000
	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	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
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
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
 IEC/EN60950-1	SIQ Mark License EN60950-1
	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