

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

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

June 24, 2019

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

Information

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

Description GT-81085-15VV-x.x-W2, 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; CE; CB 60950; Level V; EC; cULus; IP41; LPS; 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 <https://www.globtek.com/pdf/conflict-minerals.pdf>

Declaration

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Model Parameters

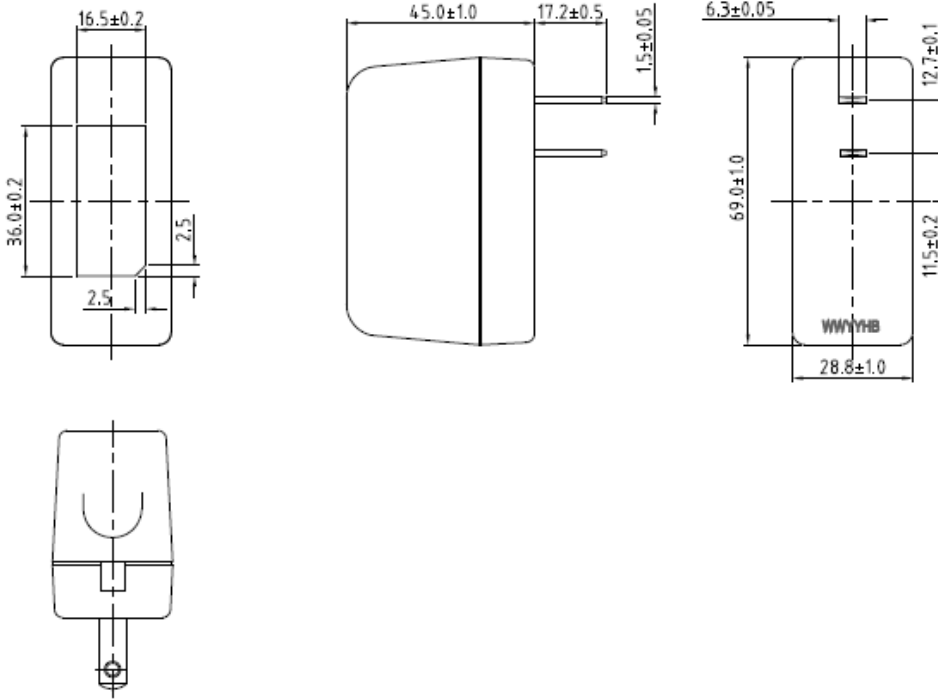
| | |
|--------------------|--|
| Type | Wall Plug-in |
| Technology | Regulated Switchmode AC-DC Power Supply AC Adaptor |
| Category | ITE Power Supply |
| Input Voltage | 100-240V- , 50/60Hz |
| I/P Amps (A) | 0.5A |
| Wattage (W) | 15.0 |
| Vout Range (V) | 5-24 |
| Efficiency Level | V |
| Ingress 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

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 |
|  | 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 |
| 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 |
| 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 |
|  | 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 . |
| GlobTek, Inc. | |
| 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 |