

Model:GT-21089-W3BR

May 13, 2024

## GT-21089-W3BR

### Information

|              |   |
|--------------|---|
| Model Number | GT-21089-W3BR   |
| Description  | GT-21089-W3BR, ICT/ITE Power Supply, Wall Plug-in, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, The Brazilian NBR 14136:2002 is standard for Brazilian plugs and receptacle, Output Rating: 19 Watts, Power rating with convection cooling (W) , 3-24V in 0.1V increments, Approvals: |

### Model Picture



|                               |   |
|-------------------------------|---|
| Agency Documents              | <a href="http://www.globtek.info/certs/GT-21089/">http://www.globtek.info/certs/GT-21089/</a>   |
| CE EC-Declaration             | <a href="https://www.globtek.com/pdf/ec_declaration/a0O3a00000LB0ILEA1">https://www.globtek.com/pdf/ec_declaration/a0O3a00000LB0ILEA1</a> |
| RoHS/RoHS2 Declaration        | <a href="https://www.globtek.com/pdf/rohs_cert/a0O3a00000LB0ILEA1">https://www.globtek.com/pdf/rohs_cert/a0O3a00000LB0ILEA1</a>           |
| REACH Declaration             | <a href="https://www.globtek.com/pdf/iso_certificates/REACH.pdf">https://www.globtek.com/pdf/iso_certificates/REACH.pdf</a>               |
| Conflict Minerals Declaration | <a href="https://www.globtek.com/pdf/conflict-minerals.pdf">https://www.globtek.com/pdf/conflict-minerals.pdf</a>                         |

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

Model:GT-21089-W3BR

May 13, 2024

**MODEL PARAMETERS**

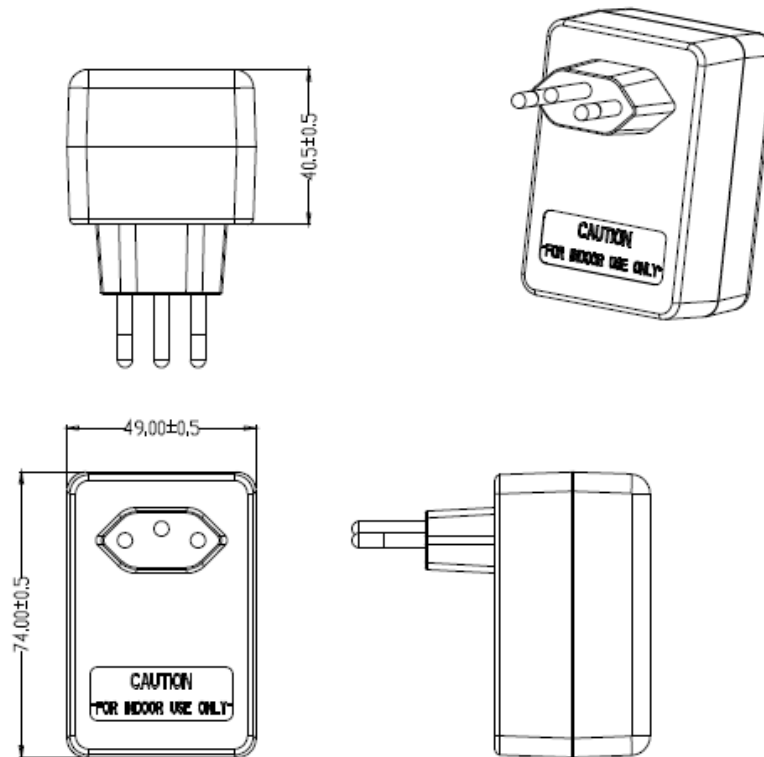
|                    |  |
|--------------------|--|
| Type               | Wall Plug-in                                       |
| Technology         | Regulated Switchmode AC-DC Power Supply AC Adaptor |
| Category           | ICT/ITE Power Supply                               |
| Input Voltage      | 100-240V~, 50-60 Hz                                |
| I/P Amps (A)       | 0.5A MAX   |
| Wattage (W)        | 19.0   |
| Vout Range (V)     | 3-24   |
| Efficiency Level   | N/A  |
| Ingress Protection |  |
| Size (mm)          |  |

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

Model:GT-21089-W3BR

May 13, 2024

## ENCLOSURE



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

Model:GT-21089-W3BR

May 13, 2024

## RATING TABLE

| Model Number       | Voltage | Amps(A) | Watts(W) | RFQ                 |
|--------------------|---------|---------|----------|---------------------|
| GT-21089-1512-W3BR | 12 V    | 1.25    | 15.00    | <a href="#">RFQ</a> |

Model:GT-21089-W3BR

May 13, 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: +/- 1% typical measured at full load
05. Output Ripple : 1% of output voltage, peak to peak, typical
06. Turn-ON/OFF: 5% maximum, 1 mS typical recovery time for 25% step load
07. Turn-ON Delay: 1 Second, typical
08. Hold-Up Time: 10 mS typical at nominal input voltage and full load
09. Inrush Current: 30A typical at 115Vac and 40A typical at 230Vac input
10. Switching Frequency: 100 KHz typical, varies with line and load
11. Efficiency: 75% typical at nominal input and full load

### B) PROTECTION

01. Over-Voltage: limited by crowbar method
02. Over Load/Short Circuit: Momentary short circuit protected, output will auto recovery upon removal of short
03. Input Protection: Input line fusing

### C) SAFETY

01. Dielectric Withstand Voltage: 4242 Vdc from primary to secondary (for Class II with functional ground)
02. Earth Leakage Current: <3.5mA at 264 Vac input voltage
03. Earth continuity test:<0.1Ω or < 0.2Ω when with a non-DETACHABLE POWER SUPPLY CORD

### D) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: 0°C to 30°C ambient temperature
03. Humidity: 0% to 90% relative humidity
04. Storage Temperature: -10°C to 80°C
05. Cooling: Convection
06. RoHS 2: Complies with EU 2011/65/EU China SJ/T 11363-2006

### E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 74\*49\*40.5 +/-0.5 mm
03. Markings: Label and/or Pad Printed and/or Molded in the case

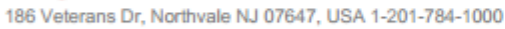
Delivering leading edge, innovative power solutions for more than **30** years....

Model:GT-21089-W3BR

May 13, 2024

## DERATING CURVE

---



[www.globtek.com](http://www.globtek.com)

<http://www.globtek.com/iso-certificates.php>

Model:GT-21089-W3BR

This standard is based on the international IEC 60906-1 standard, developed to encourage countries to adopt one plug and receptacle for global use. The standard does not include a medical grade plug. Brazil uses 110-220 Volts and 60 Hz.

PROPRIETARY OF GLOBTEK, INC. ANY REPRODUCTION, DISCLOSURE OR USE OF THIS DRAWING, IN WHOLE OR IN PART, IS HEREBY PROHIBITED EXCEPT AS SPECIFIED IN WRITING BY GLOBTEK, INC.

Page 7 of 9

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

Model:GT-21089-W3BR

May 13, 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-21089-W3BR

May 13, 2024

## Approvals

|      |  |
|------|--|
| Logo |  |
|------|--|