

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

Model:GT-21089-T2

June 1, 2020

GT-21089-T2

Information

Model Number

GT-21089-T2

Description

GT-21089-T2, ITE Power Supply, Desktop/External, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, IEC 60320/C8 AC Inlet connector, Class II, Non-Earth Ground (aka "Figure-8"), Output Rating: 19 Watts, Power rating with convection cooling (W) , 3.3-48V in 0.1V increments, Approvals: EAC; Double Insulation; Ukraine; RoHS; NEMKO; WEEE; CE; VCCI; China RoHS; PSE; LPS; cULus; IP41; Korea (12V Only); SIQ;

Model Picture



Agency Documents

<http://www.globtek.info/certs/GT-21089/>

CE EC-Declaration

https://www.globtek.com/pdf/ec_declaration/a00a000000C18EwEAJ

RoHS/RoHS2 Declaration

https://www.globtek.com/pdf/rohs_cert/a00a000000C18EwEAJ

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-21089-T2

June 1, 2020

MODEL PARAMETERS

Type	Desktop/External
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ITE Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.5A MAX
Wattage (W)	19.0
Vout Range (V)	3.3-48
Efficiency Level	IV
Ingress Protection	IP41
Size (mm)	87*47*32

PROPRIETARY INFORMATION

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.

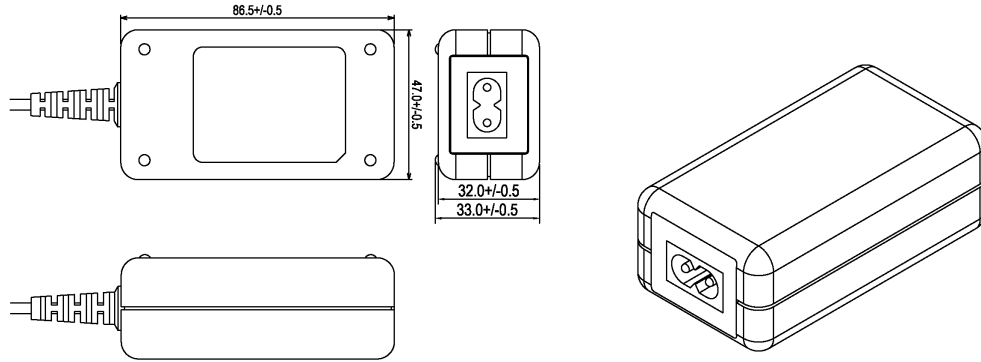
<http://en.globtek.com/datasheet/id/a0Oa000000C18Ew>

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

Model:GT-21089-T2

June 1, 2020

ENCLOSURE



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

Model:GT-21089-T2

June 1, 2020

RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-21089-0903-T2	3.3 V	2.6	8.58	RFQ
GT-21089-1305-T2	5 V	2.6	13.00	RFQ
GT-21089-1506-T2	6 V	2.5	15.00	RFQ
GT-21089-1509-1.5-T2	7.5 V	2	15.00	RFQ
GT-21089-1509-T2	9 V	1.67	15.03	RFQ
GT-21089-1512-T2	12 V	1.25	15.00	RFQ
GT-21089-1815-T2	15 V	1.2	18.00	RFQ
GT-21089-1818-T2	18 V	1	18.00	RFQ
GT-21089-1824-T2	24 V	0.75	18.00	RFQ
GT-21089-1836-T2	36 V	0.5	18.00	RFQ
GT-21089-1948-T2	48 V	0.4	19.20	RFQ

SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

01. Input Voltage: 90-264 Vac
02. Input Current: 0.5 A
03. Input Frequency: 47 - 63 Hz
04. Output Regulation: +/- 5% measured at the output connector
05. Line Voltage Regulation: +/- 1% typical measured at full load
06. Output Ripple : 1% of output voltage, peak to peak, typical
07. Turn-ON/Turn OFF Overshoot: 5% maximum, 1 mS typical recovery time for 25% step load
08. Turn-ON Delay: 1 Second, typical
09. Hold-Up Time: 10 mS typical at nominal input voltage and full load
10. Inrush Current: 30A typical at 115Vac input and 40A typical at 230Vac input
11. Switching Frequency: 100 KHz typical, varies with line and load
12. Efficiency: 75% typical at nominal Input and full load

B) PROTECTION

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

C) SAFETY

01. Dielectric Withstand Voltage: 4242 Vdc from primary to secondary
02. Touch Leakage Current: < 300uA at 264Vac 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. RoHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

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

Model:GT-21089-T2

June 1, 2020

DERATING CURVE

N/A

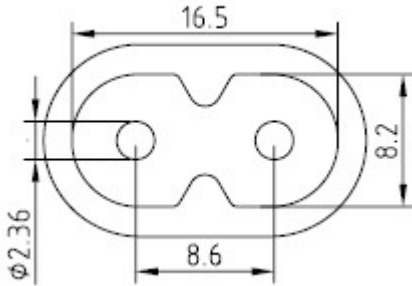
Delivering leading edge, innovative power solutions for more than 30 years....

Model:GT-21089-T2

June 1, 2020

INPUT CONFIGURATION

Description IEC 60320/C8 AC Inlet connector, Class II, Non-Earth Ground (aka "Figure-8")



Mates with IEC 60320/C7 Plug

Below are standard cordsets which are "not included" (unless stated above); these may be purchased separately or packaged with the power supply. Please contact your Sales Engineer if the style required is not shown below. Many more available in different lengths, colors or cable material.

Standard International IEC 320/C7 Cordsets

2094112M703(R)	Argentina (Type I)	IRAM 2063	IEC 320/C7 ²⁰⁰⁰⁷
5014112M703A(R)	Australian (Type I)	AS 3112	IEC 320/C7 ²⁰⁰⁰⁷
207B4111M8703(R)	Brazil (Type N)	NBR14136	IEC 320/C7 ¹⁸⁰⁰⁶
4533501M8703(R)	China (Type A)	GB 2099.1	IEC 320/C7 ¹⁸³⁰⁶
2074112M703A(R)	European (Type C)	CEE 7/16	IEC 320/C7 ²⁰⁰⁰⁷
2084111M8703(R)	India (Type M)	BS 546	IEC 320/C7 ¹⁸⁰⁰⁶
451J3401M8703(R)	Japan (Type A)	JIS 8303	IEC 320/C7 ¹⁸³⁰⁶
2044112M703A(R)	Korea (Type C)	KS C8305	IEC 320/C7 ²⁰⁰⁰⁷
4511116F703A(R)	N. American (Type A)	NEMA 1-15P	IEC 320/C7 ¹⁸³⁰⁶
4033401M8703A(R)	Taiwan (Type A)	CNS690	IEC 320/C7 ¹⁸³⁰⁶
6104112M703A(R)	UK, Hong Kong, Singapore, Gulf States (Type G)	BS1363	IEC 320/C7 ²⁰⁰⁰⁷

PROPRIETARY INFORMATION

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.

<http://en.globtek.com/datasheet/id/a0Oa000000C18Ew>

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

Model:GT-21089-T2

June 1, 2020

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-T2

June 1, 2020

Approvals

Logo	Description
	Attention Mark / Refer to operating manual for operating and service instructions
	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
	Certification # TC RU AR46.B.75423 Custom Union of Russia, Belarus and Kazakhstan
	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
	Korea KET KC Mark GT-21089-1512-T2 HU10040-4016C (12V Only)
LPS	Limited Power Source 60950
	NEMKO

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

Model:GT-21089-T2

June 1, 2020

 GlobTek, Inc.	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 .
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
	SIQ Mark EN 60950-1 :2006 +A 1 :2010 +A 11 :2009 +A 12:2011 + A2:2013
 10276	Ukraine UKRSeuro (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf)
	Japan: Voluntary Control Council for Interference (VCCI)
	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