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**Request Information****Add To Cart****Request Quote****Model # GT-21089-1305-T3 Protective Ground Class I Models****QUOTE**[Printable Page](#)[Email This Page](#)[Save To Favorites](#)**Protective Ground Class I Models****INPUT VOLTAGE:**

90 VAC TO 264 VAC

**INPUT CURRENT:**

&lt; 0.5 A RMS AT 90 VAC INPUT

**INPUT FREQUENCY:**

47 Hz - 63 Hz

**OUTPUT CURRENT:**

NO MINIMUM LOAD REQUIRED

**OUTPUT POWER (RATED):**

19 WATTS MAX

**OUTPUT RIPPLE (PEAK TO PEAK):**

1% OF OUTPUT VOLTAGE , PEAK TO PEAK, TYPICAL

**OUTPUT REGULATION (LINE/LOAD):**

± 5% MEASURED AT THE OUTPUT CONNECTOR

**LINE REGULATION:**

± 1% TYPICAL MEASURED AT FULL LOAD

**TURN ON/TURN OFF OVERSHOOT:**

5% MAXIMUM, 1 ms TYPICAL RECOVERY TIME FOR 25% STEP LOAD

**TURN-ON DELAY:**

1 SECOND, TYPICAL

**HOLD-UP TIME:**

10 ms TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

**INRUSH CURRENT:**

30 A TYPICAL AT 115 VAC INPUT AND 40 A TYPICAL AT 230 VAC INPUT

**EFFICIENCY:**

75% TYPICAL AT NOMINAL INPUT AND FULL LOAD

**SWITCHING FREQUENCY:**

100 kHz TYPICAL, VARIES WITH LINE AND LOAD

**OVER-VOLTAGE PROTECTION:**

VOLTAGE LIMITED TO LESS THAN 130%, CROWBAR METHOD

**OVER-CURRENT/SHORT CIRCUIT:**CONSTANT CURRENT METHOD/MOMENTARY SHORT CIRCUIT PROTECTED,  
OUTPUT WILL AUTORECOVER UPON REMOVAL OF SHORT.**OTHER PROTECTION:**

INPUT FUSING; LINE FUSING

**SAFETY APPROVALS:****ITE MODELS:**

UL 60950, CUL TO 22.2NO.60950, TUV TO EN60950 AND cTUVus TO UL 60950 FOR CLASS II FE AND CLASS II; CE FOR EMC, KTL EK MARK TO 60950 (FOR GT-21089-0909T3 - GT-21089-1305-T3), CHINESE CCC MARK TO GB4943-2001, GB9254-1998, GB17625.1-2003 (GT-21089-T3 FROM 5-18 V OUTPUT), PSE TO J60950, C-TICK, POLAND PCBC TO EN60950, DEMKO TO EN60950, ARGENTINA S-MARK, CB

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## REPORT.

**DIELECTRIC WITHSTAND VOLTAGE:**

4242 VDC (3000 VAC) FROM PRIMARY TO SECONDARY,

2121 VDC (1500 VAC) PRIMARY TO GROUND

**EARTH LEAKAGE CURRENT:**< 300  $\mu$ A at 264 VAC INPUT VOLTAGE**LINE SURGE:**

EN 61000-4-5 LEVEL 4

**EMI:**

COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

**CE MARK:**

EN55011, Group 1, Class B, EN5022 Class B, EN55011, Group 1, Class B;  
EN55024/EN60601-1-2/IEC 61000-4-3:2002; EN55024/EN60601-1-2/IEC 61000-4-6:2001 ; EN55024/EN60601-1-2/IEC 61000-4-8:2001; EN55024/EN60601-1-2/IEC 61000-4-11:2001; EN55024/EN60601-1-2/IEC 61000-4- 4:2001; EN55024/EN60601-1-2/IEC 61000-4-2:2001; EN55024/EN60601-1-2/IEC 61000-4-5:2001; EN55024/EN 61000-3-3 A1: 2001/EN 61000-3-3 A1: 2001; EN55024/EN 61000-3- 2:2001/EN 61000-3-2:2001.  
UNIT IS ELIGIBLE FOR CE MARK.

**MTBF:**GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE  
NOMINAL LINE AND FULL LOAD PER MIL-217 STANDARD**OPERATING TEMPERATURE:**

0°C TO 40°C AMBIENT TEMPERATURE

**STORAGE TEMPERATURE:**

-10° C TO 80° C

**HUMIDITY:**

0% TO 90% RELATIVE HUMIDITY

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

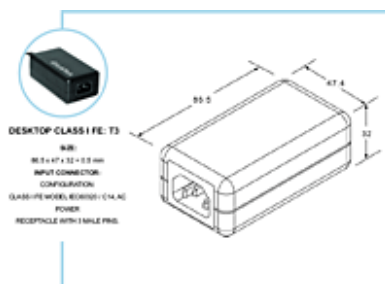
**HOUSING:**

HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK, COLOR BLACK, CUSTOMER SPECIFIED COLOR AVAILABLE UPON REQUEST.

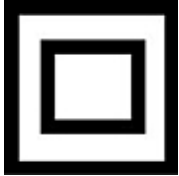



**INPUT CONNECTOR:**

CONFIGURATION:

CLASS I FE MODEL IEC60320/C14, AC POWER RECEPTACLE WITH 3 MALE PINS.

[larger image](#)[larger image](#)Unit of Measure: ☐ Imperial | ☐ Metric | ☒ Both[Specifications](#) · [Electrical Specifications](#) · [Mechanical Specifications](#) · [Agency Approvals](#) · [Notes](#)**Specifications**

Input Voltage Range (AC)	90 to 264 V

<b>Output Voltage (DC)</b>	5 V
<b>Output Current ?</b>	0 to 2.6 A
<b>Application Features</b>	 Double Insulated  Functional Ground  Indoor Use Only
<b>Output Family</b>	Single
<b>Application</b>	ITE
<b>Input Configuration</b>	Table Top
<b>Input Configuration Detail</b>	 3 Prong
<b>Class I</b>	Yes
<b>Class II</b>	No
<b>Energy Star</b>	No
<b>RoHS/WEE</b>	Yes
<b>Max. Current</b>	2.60 A
<b>Model ?</b>	External Wall Plug-In Models [NEMA 1-15P/Japan], [NEMA 5-15P/Japan], [Euro-CEE7/16], [UK-BS], [Australian-AS/NZ], [DC Input], External Desk Top Models [IEC320/C14 (3 Cond/Class I)], [IEC 320/C8 (2 Cond/Class II)], [IEC 320/C6 (3 Cond/Class I)]
<b>EMI</b>	Complies with EN55022 Class B and FCC part 15 Class B when tested with resistive load, both conducted and radiated EMI.
<b>CE Mark ?</b>	EN55011, Group 1, Class B, EN5022 Class B, EN55011, Group 1, Class B; EN55024/EN60601-1-2/IEC 61000-4-3:2002; EN55024/EN60601-1-2/IEC 61000-4-6:2001 ; EN55024/EN60601-1-2/IEC 61000-4-8:2001
<b>MTBF</b>	> 200000 hrs

<b>Operating Temperature</b>	0 to 40 °C
<b>Storage Temperature</b>	-10 to 80 °C
<b>Relative Humidity</b>	0 to 90 %

### Electrical Specifications

<b>Power Range</b>	0 to 13 W
<b>Input Current (RMS) ?</b>	< 0.5 A
<b>Input Frequency</b>	47 to 63 Hz
<b>Output Ripple (Peak to Peak) ?</b>	1%
<b>Output Regulation (Line/Load) ?</b>	±5%
<b>Line Regulation ?</b>	±1.0%
<b>Max. Turn On/Turn Off Overshoot ?</b>	5%
<b>Typical Turn-On Delay</b>	1 sec
<b>Hold-Up Time ?</b>	10 ms
<b>Inrush Current ?</b>	30 A 40 A
<b>Efficiency ?</b>	75% Typical
<b>Typical Switching Frequency ?</b>	100 kHz
<b>Over-Voltage Protection</b>	Voltage Limited to less than 130%, Crowbar Method
<b>Over-Current/Short Circuit</b>	Constant current method/momentary short circuit protected, output will autorecover upon removal of short.
<b>Other Protection</b>	Input Fusing: Line Fusing
<b>Dielectric Withstand Voltage</b>	4242 VDC (3000 VAC) from Primary to Secondary, 2121 VDC (1500 VAC) Primary to Ground
<b>Earth Leakage Current ?</b>	< 300 µA
<b>Line Surge</b>	EN 61000-4.5 Level 4
<b>Weight</b>	130 grams 4.7 oz

### Mechanical Specifications

<b>Length</b>	86.5 mm
<b>Width</b>	47 mm
<b>Height</b>	32 mm

### Agency Approvals

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**Agency Approvals****Notes**

1. Each output current may vary within it's designation range, as long as output power is not exceeded.
2. Outputs are available from 3.3 V-48 V in 0.1 V increments
3. (X.X) optional for specifying output voltage deviation from standard model: subtracting X.X volts from standard output voltage.

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