

Datasheet

Search:



186 Veterans Dr, Northvale NJ 07647, USA 1-201-784-1000

www.globtek.com

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

"Your power partner"

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

60601-1 Medical DOE EPS 2.0 Level VI Power Supply / Charger, 5v, 2.0A, with integral USB Jack, compliant with 2MOPP, 5000 Meters Elevation and 8 kV Contact/20kV Air Discharge ESD Protection

Print

▼ Information

Model Number	GTM46101-10VV-X.X-USB
Description	GTM46101-10VV-X.X-USB, Medical Power Supply, Wall Plug-in, Regulated Switchmode AC-DC, , Input Rating: 100-240V~, 50-60 Hz, Blade Options for Q Series Wall Plug-in Power Supplies, Output Rating: 10 Watts, 5-5.5V in 0.1V increments, Approvals: CB 60601-1 2MOPP CB CE cETLus ES60601 cETLus 60601-1 3rd China RoHS Double Insulation IP20 Level VI LPS PSE RoHS 2 S-Mark IEC/EN 60601-1 Ukraine WEEE cETLus 60950 RCM CCC India CB EN/IEC 60335-1 PSE
Model Picture	
Agency Documents	http://www.globtek.info/certs/GTM46101-10VV-X.X/
CE EC-Declaration	http://www.globtek.com/pdf/iso_certificates/EC-DECLARATION.pdf
REACH Declaration	http://www.globtek.com/pdf/iso_certificates/REACH.pdf
Conflict Minerals Declaration	http://www.globtek.com/pdf/conflict-minerals.pdf

▼ Model Parameters

Type	Wall Plug-in
Technology	Regulated Switchmode AC-DC
Category	Medical Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	0.3A
Wattage (W)	10.0
Vout Range (V)	5-5.5
Efficiency	VI
Ingress Protection	Indoor Use

ISO/Safety Documents

Home

Power Supplies

Search

ITE Selector Guide

Medical Selector

Guide

Level VI Power

Supplies

Power Over Ethernet

Waterproof Power

Supplies

Battery Packs

Battery Chargers

Custom Solutions

Custom Power

Supplies

Custom Battery

Packs

Contract

Manufacturing

Cordsets

Cord Search Utility

Product Catalogs

New Products

Technical Reference

About GlobTek

Corporate Profile

Engineering Profile

Trade Shows

Career Opportunities

GlobTek News

Contact Info

Newsletter Signup

Request Info

 GlobTek Videos on
YouTube

Live Help Online



Can we help you?

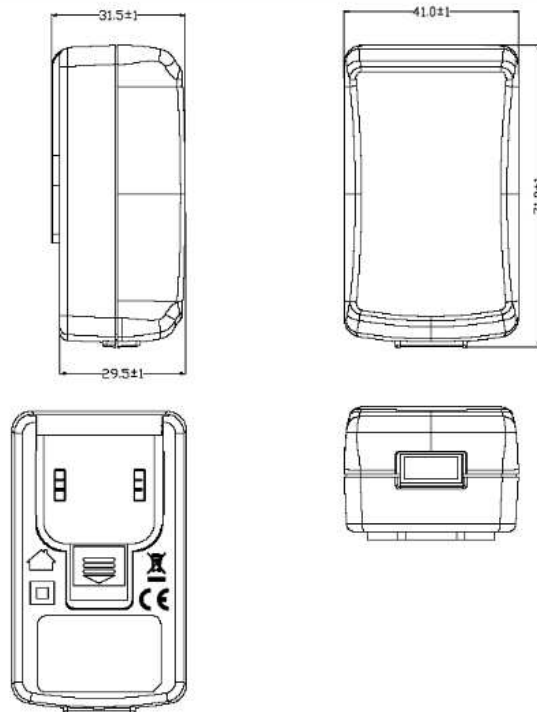
Datasheet

Search:



Size (mm) 41.0 x 71.0 x 31.5

Enclosure



May be ordered with LED as an option

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GTM46101-1005-USB	5 V	2	10.00	RFQ
GTM46101-0805-USB	5 V	1.5	7.50	RFQ
GTM46101-0505-USB	5 V	1	5.00	RFQ
GTM46101-1306-0.9-USB	5.1 V	2.54	12.95	RFQ
GTM46101-1306-0.8-USB	5.2 V	2.5	13.00	RFQ
GTM46101-1006-0.75-USB	5.25 V	2	10.50	RFQ
GTM46101-1306-0.7-USB	5.3 V	2.45	12.99	RFQ
GTM46101-1306-0.6-USB	5.4 V	2.4	12.96	RFQ

Datasheet

Search:



GTM46101-1306-0.6-USB	5.4 V	2.4	12.96	RFO
GTM46101-1006-0.5-USB	5.5 V	2	11.00	RFO
GTM46101-0506-0.5-USB	5.5 V	0.9	4.95	RFO

Specifications

A) ELECTRICAL SPECIFICATIONS:

1. Input Voltage: Specified 90-264 Vac, Nameplate rated 100-240 Vac
2. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60 Hz
3. Output Regulation: +/- 5% measured at the end of a 0.6 meter USB cordset employing #22 Gauge conductors
4. Line Voltage Regulation: +/- 3% typical measured at the end of a 0.6 meter USB cordset employing #22 Gauge conductors
5. Output Ripple (Vp-p): 150mV Ripples shall be measured with a 47uF electrolytic capacitor paralleled with a high-frequency 0.1uF ceramic capacitor across the output. The oscilloscope's bandwidth shall be set to 20MHz.
6. Turn-On/Turn-Off Overshoot: 5% maximum, 500 us maximum recovery time for 25% step load.
7. Turn-On Delay: 3000ms MAX at 115VAC Full Load
8. Hold-Up Time: 8ms Min at 100VAC Full Load
9. Inrush Current: No damage. On power when switching on/off repeatedly under any condition.
10. Switching Frequency: 66.5 KHz typical
11. Average Efficiency: 78.7% Min.(CEC&DOE Level VI Compliant), 79.0% Min. (ErP Tier2 Compliant)
12. Input Power(no load): < 0.1W < 0.1W, < 0.075W (ErP Tier2 Compliant)

B) PROTECTION

1. Over-Voltage: Output shut down and auto restart
2. Over Temperature Protection: Output shut down and auto restart
3. Short Circuit Protection Output shut down and auto restart
4. Over Load Protection Output shut down and auto restart
5. Input Protection: Input line fusing
6. ESD: 8 kV Contact/20kV Air Discharge

C) SAFETY

1. Dielectric Withstand Voltage: 4000Vac or 5656Vdc 10mA 1 minute
2. Earth Leakage Current: N/A for Class II units, there is no PE Ground pin, so Earth Leakage current is not measured
3. Touch Current: Maximum allowed values: 100uA NC(Normal condition) 500uA SFC(single fault condition)
4. Means of Protection: 2 x MOPP
5. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006

D) OTHER:

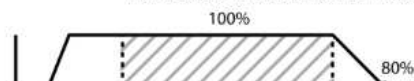
1. MTBF: 200,000 hours @ 25°C ambient temperature
2. Operating Temperature: 0°C to 40°C ambient temperature
3. Humidity: 0% to 95% relative humidity
4. Storage Temperature: -40°C to 80°C

E) ENCLOSURE

1. Housing: High impact plastic, 94V0 polycarbonate, non-vented
2. Size: 41.0 x 71.0 x 31.5 mm +/-1.0 mm
3. Markings: Label and/or Pad Printed and/or Molded in the case
4. May be ordered without LED as an option

Derating Curve

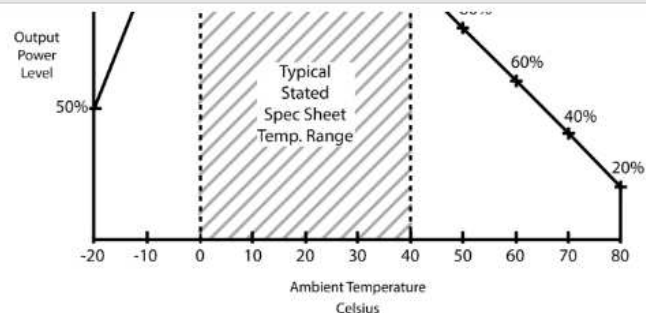
Typical External
Power Supply Derating Curve
(For Efficiency Level V and Efficiency Level VI Products)



Can we help you?

Datasheet

Search:



Qty (ea.)/Carton	210
Individual Box/Gift Box Size (mm)	74 x 35 x 42
Individual Box/Gift Box Color	White
Master Carton Size (mm)	544 x 375 x 151
Gross Weight (kg)	14.8
Label Width (mm)	28.5
Label Height (mm)	17.5

▼ Input Configuration

Description	Blade Options for Q Series Wall Plug-in Power Supplies
-------------	--

Data Sheet: <http://en.globtek.com/interchangeable-blades.php>Insertion Instructions: <http://www.globtek.com/pdf/Instructions-Interchangeable-Blades.pdf>Video: [Q-Blade Style Instruction Video](#)