

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

Model:GTM93039-30xx

April 29, 2024

## GTM93039-30xx

### Information

Model Number	GTM93039-30xx
Description	GTM93039-30xx, Medical Power Supply, Vehicle/Car DC/DC Converter, DC-DC, , Input Rating: 9-60 VDC, See "Blade/Cord Installed" section. Contact GlobTek for customization requests such as Molded country plugs, Molex or TE connectors, or IEC connectors mounted on any type of cable in any customer specified lengths., Output Rating: 30 Watts, Power rating with convection cooling (W) , 5-30V in 0.1V increments, Approvals: CE;
Model Picture	
Agency Documents	<a href="#">tba</a>
CE EC-Declaration	<a href="https://www.globtek.com/pdf/ec_declaration/a0Oa000000HSoUyEAL">https://www.globtek.com/pdf/ec_declaration/a0Oa000000HSoUyEAL</a>
RoHS/RoHS2 Declaration	<a href="https://www.globtek.com/pdf/rohs_cert/a0Oa000000HSoUyEAL">https://www.globtek.com/pdf/rohs_cert/a0Oa000000HSoUyEAL</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>

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**MODEL PARAMETERS**

Type	Vehicle/Car DC/DC Converter
Technology	DC-DC
Category	Medical Power Supply
Input Voltage	9-60 VDC
I/P Amps (A)	1.5A
Wattage (W)	30.0
Vout Range (V)	5-30
Efficiency Level	N/A
Ingress Protection	
Size (mm)	134*54*30.5

**PROPRIETARY INFORMATION**

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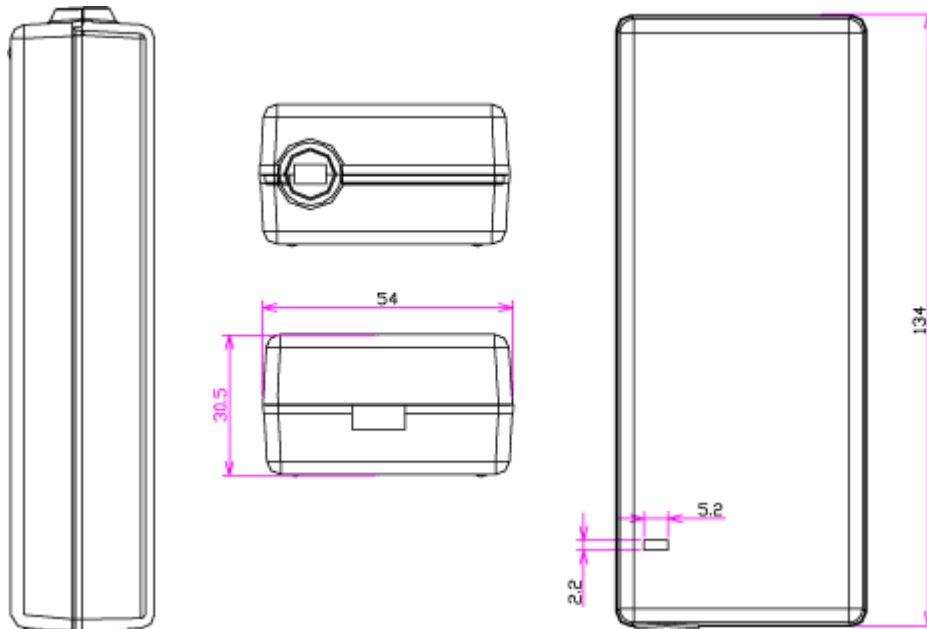
<https://www.globtek.com/ds/F2h6mXpGfNG/q8H4t4zDWfJ.html>

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## ENCLOSURE



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## RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GTM93039-2005	5 V	4	20.00	<a href="#">RFQ</a>
GTM93039-2007	7 V	2.85	19.95	<a href="#">RFQ</a>
GTM93039-2509	9 V	2.77	24.93	<a href="#">RFQ</a>
GTM93039-3012	12 V	2.5	30.00	<a href="#">RFQ</a>
GTM93039-3015	15 V	2	30.00	<a href="#">RFQ</a>
GTM93039-3018	18 V	1.66	29.88	<a href="#">RFQ</a>
GTM93039-3024	24 V	1.25	30.00	<a href="#">RFQ</a>
GTM93039-3036	36 V	0.83	29.88	<a href="#">RFQ</a>
GTM93039-3048	48 V	0.625	30.00	<a href="#">RFQ</a>

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## SPECIFICATIONS

### A) ELECTRICAL SPECIFICATIONS:

01. Input Voltage: 11-32 VDC
02. Input Frequency: DC
03. Output current No Load to Full Load, No Minmum Load Required
04. Output Power 24W Max
05. Output Regulation: +/- 5% measured at the output connector
06. Line Voltage Regulation: +/- 2% typical measured at full load
07. Output Ripple (Vp-p): <100mV at nominal output voltage. 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
08. Turn-ON/OFF Overshoot: 5% maximum, 500uS typical recovery time for 25% to 50% step load
09. Turn-ON Delay: 2 Seconds, maximum @ full load, nominal line
10. Hold-Up Time: 16 mS typical @ nominal input voltage and full load
11. Switching Frequency: 100 KHz typical

### B) PROTECTION

1. Over-Voltage Protection :Voltage Limited Less 130% Of Nominal Voltage
2. Over Current/ Short Circuit: Hiccup with Auto Recovery to 1.1-1.3 \* IO
3. Other Protection :Input Fusing
4. Leakage Current <100 uA

### C) SURGE

1. ESD ,IEC 61000-4-2 +/-4kv CONTACT , +/-8KV Air
2. EFT ,IEC 61000-4-4 4KV on AC Power Line
3. Surge IEC 61000-4-5 4KV on differential Mode
4. Isolation: 500 Vdc

### 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 90% relative humidity
4. Storage Temperature: -10°C to 80°C
5. Cooling: Convection

### E) ENCLOSURE

1. Size: 134\*54\*30.5 mm +/- 1.0
2. Markings: Label and/or Pad Printed and/or Molded into Case
3. LED: Standard Green color to indicate power out (other colors available)

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## DERATING CURVE

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**INPUT CONFIGURATION**Description

See "Blade/Cord Installed" section. Contact GlobTek for customization requests such as Molded country plugs, Molex or TE connectors, or IEC connectors mounted on any type of cable in any customer specified lengths.

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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
	CE Certification