

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

Model:GT-91117

May 28, 2025

GT-91117

Information

Model Number	GT-91117
Description	GT-91117, ICT/ITE Power Supply, Vehicle/Car DC/DC Converter, DC-DC, , Input Rating: 10-30VDC, Male Cigarette Lighter Plug, Output Rating: 5 Watts, Power rating with convection cooling (W) , 5-5.6V in 0.1V increments, Approvals: WEEE; CE; Ukraine; GOST-R;

Model Picture



Agency Documents

CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0O30000007P7ZcEAK
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0O30000007P7ZcEAK
REACH Declaration	https://www.globtek.com/pdf/iso_certificates/REACH.pdf
Conflict Minerals Declaration	https://www.globtek.com/pdf/conflict-minerals.pdf

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MODEL PARAMETERS

Type	Vehicle/Car DC/DC Converter
Technology	DC-DC
Category	ICT/ITE Power Supply
Input Voltage	10-30VDC
I/P Amps (A)	1.5 A
Wattage (W)	5.0
Vout Range (V)	5-5.6
Efficiency Level	
Ingress Protection	
Size (mm)	100.3*40.5*24 mm

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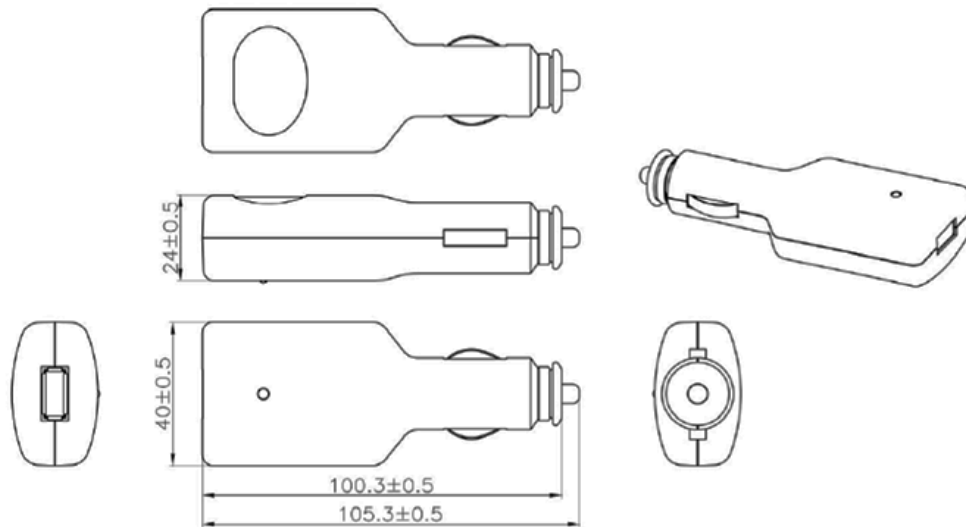
<https://www.globtek.com/ds/48rPAY5zETi/vcENFKtBt8q.html#datasheet>

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GT-91117-1005	5 V	2	10.00	RFQ
GT-91117-1205	5.6 V	2	11.20	RFQ

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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

01. Input voltage range: 10Vdc Minimum, 30Vdc maximum
02. Input Current: 1.5 A rms max At low line input and DC output full load
03. Output load regulation : 2.0A max.+5% -10%
04. Output Ripple (Vp-p): 150mV p-p
05. Turn-on Delay: 1000ms max At low line input @output full load
06. Efficiency: 75% typical At nominal input@ output full load

B) PROTECTION

01. Over-Voltage : Yes, Voltage limit, OVP range = 7.5V max
02. Output Current Protection: Removal of an output overload conditions shall permit automatic recovery of the output voltage
02. Short Circuit: The power supply shall be protected from damage of accidentally. When the I/P voltage is between 11Vdc and 32Vdc.the O/P short protection could be protected forever .input power do not Exceed 5W when output is shorted.
03. Burn in test : 2 Hours Full Load
04. Input protection: T2AL/250V Fuse

C) SAFETY

01. ROHS 2: Complies with EU 2011/65/EU and China SJ/T 11363-2006
02. Vibration: for frequency 5-20-500, duration 30 min. amplitude 1G

D) OTHER:

01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: 0°C to 40°C ambient temperature
03. Humidity: Operating: (8 ~ 90)% RH / Storage: (5 ~ 95)% RH
04. Storage Temperature: -20°C to 85°C
05. Cooling: By nature air

E) ENCLOSURE

01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 100.3 x 40.5 x 24 +/-0.5 mm
03. Markings: Label and/or Pad Printed and/or Molded in the case
04. LED Status: Power ON – Green LED.

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DERATING CURVE

N/A

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INPUT CONFIGURATION

Description	Male Cigarette Lighter Plug
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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 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
	GOST-R mark for Russia(Document: http://www.globtek.com/html/iso_certificates/GT_GOST-R.pdf). 03/15/2015. Due to lack of demand, GlobTek will not be renewing it's GOST certification. Please contact your sales engineer for pricing on EAC.
	Ukraine UKRSepro (Document: www.globtek.com/html/iso_certificates/GT_Ukraine.pdf)
	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