

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

Model:GTM91120CC-30VV-P2

March 3, 2021

## GTM91120CC-30VV-P2

### Information

Model Number

GTM91120CC-30VV-P2

Description

GTM91120CC-30VV-P2, ICT / ITE / Medical Power Supply, Potted/Encapsulated in plastic housing, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, 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) , 5-48V in 0.1V increments, Approvals: CB EN/IEC 60335-1; CE; ETL; CB 60335;

Model Picture



Agency Documents

<http://www.globtek.info/certs/GTM91120-P2%20-P3/>

CE EC-Declaration

[https://www.globtek.com/pdf/ec\\_declaration/a0Oa000000HWY4KEAX](https://www.globtek.com/pdf/ec_declaration/a0Oa000000HWY4KEAX)

RoHS/RoHS2 Declaration

[https://www.globtek.com/pdf/rohs\\_cert/a0Oa000000HWY4KEAX](https://www.globtek.com/pdf/rohs_cert/a0Oa000000HWY4KEAX)

REACH Declaration

[https://www.globtek.com/pdf/iso\\_certificates/REACH.pdf](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	Potted/Encapsulated in plastic housing
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	ICT / ITE / Medical Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	1.5A
Wattage (W)	30.0
Vout Range (V)	5-48
Efficiency Level	V
Ingress Protection	IP68
Size (mm)	102*46*37



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## RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GTM91120CC-3007.5-2.5-P2	5 V	4	20.00	<a href="#">RFQ</a>
GTM91120CC-3007.5-1.5-P2	6 V	3.75	22.50	<a href="#">RFQ</a>
GTM91120CC-3010.5-1.5-P2	9 V	2.77	24.93	<a href="#">RFQ</a>
GTM91120CC-3014.5-2.5-P2	12 V	2.5	30.00	<a href="#">RFQ</a>
GTM91120CC-3019.5-4.5-P2	15 V	2	30.00	<a href="#">RFQ</a>
GTM91120CC-3019.5-1.5-P2	18 V	1.66	29.88	<a href="#">RFQ</a>
GTM91120CC-3024-P2	24 V	1.25	30.00	<a href="#">RFQ</a>
GTM91120CC-3036-P2	36 V	0.83	29.88	<a href="#">RFQ</a>
GTM91120CC-3048-P2	48 V	0.625	30.00	<a href="#">RFQ</a>

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## SPECIFICATIONS

### A) ELECTRICAL SPECIFICATIONS:

1. Input Voltage: 100-240 Vac
2. Input Frequency: 47 - 63 Hz
3. Output power (rated): 15Watts max, Constant Current
4. Output Regulation: +/- 5% measured at the output connector
5. Line Voltage Regulation: +/- 2% typical measured at full load
6. Output Ripple (Vp-p): +/-2% maximum, 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
7. Turn-ON/OFF Overshoot: 5% maximum, 500uS typical recovery time for 25% to 50% step load
8. Turn-ON Delay: 3 Seconds, maximum @ full load, nominal line
9. Hold-Up Time: 5mS typical @ nominal input voltage and full load
10. Inrush Current: 60A maximum cold start @ 240Vac input
11. Switching Frequency: 100 KHz typical

### B) PROTECTION

1. Over-Voltage: Protected with a Zener diode clamp across the output
2. Short Circuit: Hiccup with auto recovery
3. Over-load: Hiccup with auto recovery
4. Input Protection: Input line and neutral fusing

### C) SAFETY

1. Dielectric Withstand Voltage: 5656Vdc from primary to secondary
2. Earth Leakage Current: <100 uA at 240Vac input voltage

### 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
6. For EMI suppression 28A026-0A2 Snap-on Ferrites are recommended on both input and output cables, if required.

### E) ENCLOSURE

1. Housing: High impact plastic, 94V0 polycarbonate, non-vented
2. Size: 43.5 x 74.0 x 35.3 mm +/-1.0 mm
3. Markings: Label and/or Pad Printed and/or Molded in the case

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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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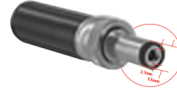
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**OUTPUT CONFIGURATION**

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
No Logo Applicable	CB to 60335-1 5th Edition (Safety of Household and Similar Electrical Appliances, Part 1: General Requirements) CB Report/ Certificate IEC 60335-1:2010 Up to 36 volts only
No Logo Applicable	IEC 60335-1:2010 (Fifth Edition) incl. Corr. 1:2010 and Corr. 2:2011 + A1:2013
	CE Mark: tested to comply with EN 55032:2012+AC:2013, EN 61000-3-2:2014, EN 61000-3-3:2013, EN 55024:2010, EN 60601-1-2:2015
	AAMI ES60601-1:2005 +A1 - Medical Electrical Equipment - Part 1: General Requirements CAN/CSA-C22.2 No.60601-1:14, Third Edition Issued: 2014/03/01 - Medical Electrical Equipment - Part 1 IEC 60601-1-11 Issued: 2015/01/20 Ed. 2 Medical Elec. Equip.
	UKCA Certification