

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

Model:GTM91120CC-30VV-P2

July 28, 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

RoHS/RoHS2 Declaration

https://www.globtek.com/pdf/rohs_cert/a0Oa000000HWY4KEAX

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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July 28, 2021

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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Model:GTM91120CC-30VV-P2

July 28, 2021

RATING TABLE

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

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July 28, 2021

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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July 28, 2021

DERATING CURVE

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INPUT CONFIGURATIONDescription

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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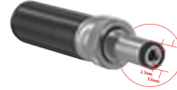
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OUTPUT CONFIGURATION

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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July 28, 2021

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 |