

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

Model:GTM91120CC-30VV-P2

May 25, 2019

GTM91120CC-30VV-P2

Information

Model Number GTM91120CC-30VV-P2

Description GTM91120CC-30VV-P2, 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, 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

Declaration

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	Potted/Encapsulated in plastic housing
Technology	Regulated Switchmode AC-DC Power Supply AC Adaptor
Category	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(V)	Amps(A)	Watts(W)	RFQ
GTM91120CC-3007.5-2.5-P25 V	4		20.00	RFQ
GTM91120CC-3007.5-1.5-P26 V	3.75		22.50	RFQ
GTM91120CC-3010.5-1.5-P29 V	2.77		24.93	RFQ
GTM91120CC-3014.5-2.5-P212 V	2.5		30.00	RFQ
GTM91120CC-3019.5-4.5-P215 V	2		30.00	RFQ
GTM91120CC-3019.5-1.5-P218 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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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

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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	IEC 60335-1:2010 (Fifth Edition) incl. Corr. 1:2010 and Corr. 2:2011 + A1:2013
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
	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
 <small>RECOGNIZED COMPONENT</small> 	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.