Model:GTM93037P150VV-X.X-FW May 6, 2024

GTM93037P150VV-X.X-FW

Information

Model Number	GTM93037P150VV-X.X-FW
Description	GTM93037P150VV-X.X-FW, ICT / ITE / Medical Power Supply, Open Frame/Internal, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, Molex 09-65-2038 3 Position Header Pin 1: Neutral, Pin 2: Removed, Pin 3: Line, Output Rating: 150 Watts, Power rating with convection cooling (W) , 12-55V in 0.1V increments, Approvals: WEEE; Ukraine; Class I; China RoHS; RoHS; GOST-R; CE;
Model Picture	
Agency Documents	
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a0Oa000000HThaGEAT
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a0Oa000000HThaGEAT
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	Open Frame/Internal
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)	TBA
Wattage (W)	150.0
Vout Range (V)	12-55
Efficiency Level	V
Ingress Protection	IPX0
Size (mm)	127*76*18

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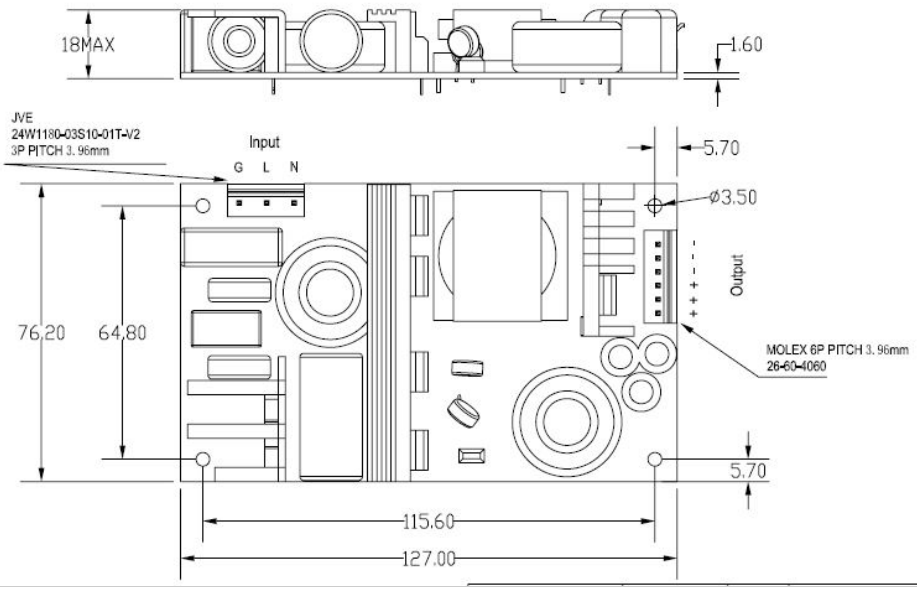
ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GTM93037P05005-FW	5 V	10	50.00	RFQ
GTM93037P06007-FW	7 V	8.57	59.99	RFQ
GTM93037P09009-FW	9 V	10	90.00	RFQ
GTM93037P10012-FW	12 V	8.33	99.96	RFQ
GTM93037P15015-FW	15 V	10	150.00	RFQ
GTM93037P15018-FW	18 V	8.33	149.94	RFQ
GTM93037P15024-FW	24 V	6.25	150.00	RFQ
GTM93037P15036-FW	36 V	4.16	149.76	RFQ
GTM93037P15048-FW	48 V	3.125	150.00	RFQ

SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:
01. Input Voltage: Specified 90-264 Vac, Nameplate rated: 100-240Vac
02. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
03. Output Regulation: +/- 5% measured at the output connector
04. Line Voltage Regulation: +/- 1% typical measured at full load
05. Output Ripple (Vp-p): +/-1% or 150 mV whichever is greater, 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
06. Turn-ON/OFF Overshoot: 5% maximum, 1 mS typical recovery time for 25% to 50% step load
07. Turn-ON Delay: 1 sec, maximum @ full load, nominal line
08. Hold-Up Time: 8 mS typical @ nominal input voltage and full load
09. Inrush Current: 30/60A maximum cold start @ 115/230Vac input
10. Switching Frequency: 65 KHz typical

B) PROTECTION
01. Over-Voltage: Electronically Protected Zener clamp across the output
02. Short Circuit: Electronically Protected unit will auto recover upon removal of fault
03. Input Protection: Input line fusing

C) SAFETY
01. Dielectric Withstand Voltage: 5656Vdc from primary to secondary
02. Touch Current: Maximum allowed values: 100uA NC(Normal condition) 500uA SFC(single fault condition)
03. Primary to Secondary Isolation: 2 MOPP

D) OTHER:
01. MTBF: 200,000 Hours @ 25°C ambient temperature
02. Operating Temperature: 0°C to 40°C ambient temperature
03. Humidity: 0% to 90% relative humidity
04. Storage Temperature: -10°C to 80°C
05. Cooling: Convection
06. Operating Altitude: 5,000 METERS
07. Operating Atmospheric Pressure: 700 hPa TO 1060hPa

E) ENCLOSURE
01. Housing: High impact plastic, 94V0 polycarbonate, non-vented
02. Size: 149.38 x 62.6 x 33.5 +/-1.0 mm
03. LED to indicate "Power Out"
04. Markings: Label and/or Pad Printed and/or Molded in the case

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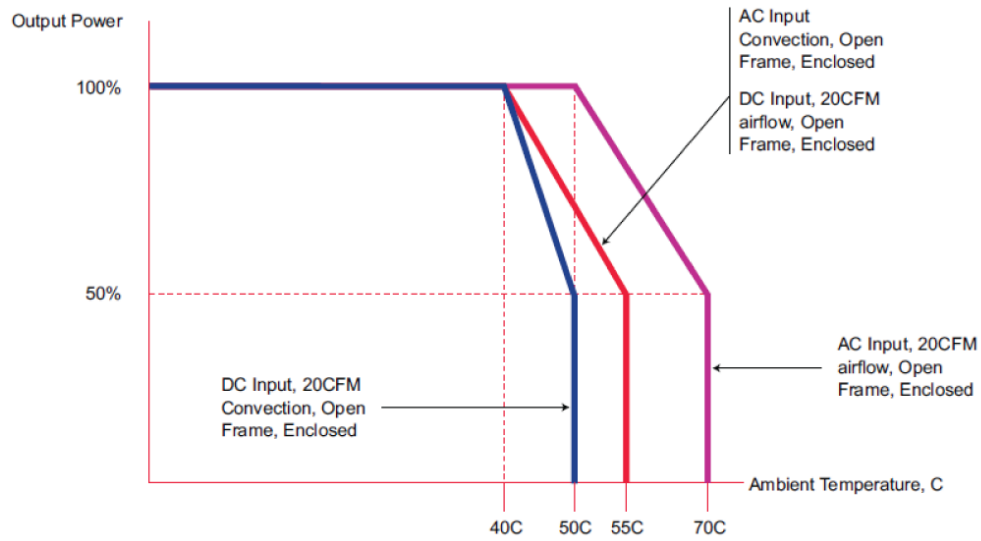
DERATING CURVE



INPUT CONFIGURATION

Description Molex 09-65-2038 3 Position Header Pin 1: Neutral, Pin 2: Removed, Pin 3: Line
Document: http://www.molex.com/pdm_docs/sd/009652038_sd.pdf
Catalog Page: http://www.molex.com/molex/products/datasheet.jsp?part=active/0009652038_PCB_HEADERS.xml

Mates With Part(s):

5195 SPOX™ Crimp Housing, 5239 KK® Crimp Housing
Optional Input Wiring Kits are available:

PN/Ordering No	Length	End A	End B
XHP410070M7MLX3(R)	70	JST XHP-4	Molex 09-93-0300
C810070M6MLX3(R)	60	IEC60320 C8	Molex 09-93-0300
C1410070M6MLX3(R)	60	IEC60320 C14	Molex 09-93-0300

Approvals

Logo	Description
	CE Mark: tested to comply with EN 60601-1-2:2015 Medical electrical equipment Part 1-2: - Mark is on the label or Molded in the case
	CHINA SJ/T 11364-2014, China RoHS Chart: http://www.globtek.com/pdf/F-GT-DJD-8.4.1-006%20China%20RoHS%20Declaration%205-20-22.pdf
	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.
	Indoor Use Only - Mark is on the label or Molded in the case
RoHS	Specifications of directive 2011/65/EU Annex VI (ROHS-2) with amendment 2015/863-EU (ROHS-3) http://www.ce-mark.com/Rohs%20final.pdf
	UKCA Certification
	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