

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

Model:GTM43200-45XX-F (doesn't exist, use GTM43007)

May 19, 2024

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Information

Model Number	GTM43200-45XX-F (doesn't exist, use GTM43007)
Description	GTM43200-45XX-F (doesn't exist, use GTM43007), Medical Power Supply, Open Frame/Internal, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, PCB AC input connector to be Tyco P/N 640445-3 or equivalent with pin 2 removed. Mates with Tyco IDC type 3-640426-3 harness connector; w/ PCB Ground Lug, Output Rating: 45 Watts, Power rating with convection cooling (W) , 3.3-48V in 0.1V increments, Approvals: GOST-R; CE; WEEE; China RoHS; Class I; RoHS; Ukraine;

Model Picture



Agency Documents	TBA
CE EC-Declaration	https://www.globtek.com/pdf/ec_declaration/a00a000000HSugGEAT
RoHS/RoHS2 Declaration	https://www.globtek.com/pdf/rohs_cert/a00a000000HSugGEAT
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	Medical Power Supply
Input Voltage	100-240V~, 50-60 Hz
I/P Amps (A)	1 A
Wattage (W)	45.0
Vout Range (V)	3.3-48
Efficiency Level	N/A
Ingress Protection	
Size (mm)	50.8*76.20*26.6mm (2*3*0.9")

PROPRIETARY INFORMATION

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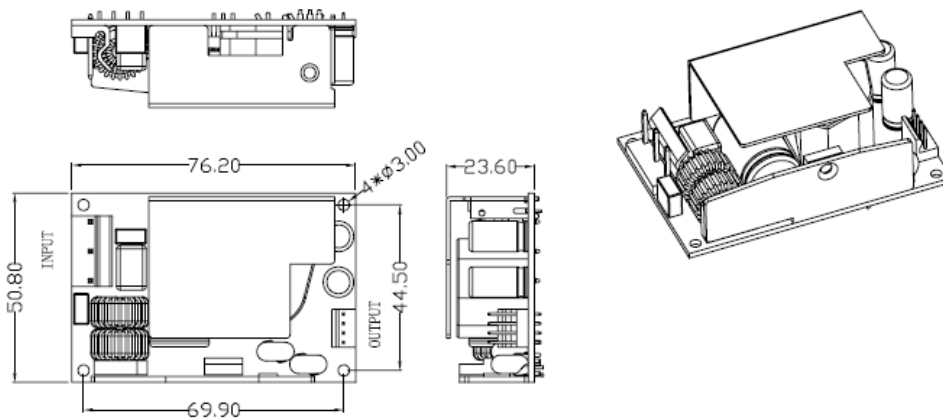
<https://www.globtek.com/ds/TNkb9JvWNKA/bh2tvjxJHbt.html>

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ENCLOSURE



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RATING TABLE

Model Number	Voltage	Amps(A)	Watts(W)	RFQ
GTM43200-2005-F	5 V	4	20.00	RFQ
GTM43200-2507-F	7 V	3.57	24.99	RFQ
GTM43200-3009-F	9 V	3.33	29.97	RFQ
GTM43200-4512-F	12 V	3.75	45.00	RFQ
GTM43200-4515-F	15 V	2	30.00	RFQ
GTM43200-4518-F	18 V	1.66	29.88	RFQ
GTM43200-4524-F	24 V	1.25	30.00	RFQ
GTM43200-4536-F	36 V	0.83	29.88	RFQ
GTM43200-4548-F	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 Regulation: +/- 5% measured at the output connector
4. Line Voltage Regulation: +/- 1% typical measures at full load
5. 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 output connector at nominal line
6. Turn-On/Turn-Off Overshoot: 5% maximum, 1mS typical recovery time for 25% step load
7. Turn-On Delay: 1 second typical
8. Hold-Up Time: 8mS typical @ nominal input voltage & full load
9. Inrush Current: 30A typical @ 115Vac input ; 60A typical @ 230Vac input
10. Switching Frequency: 65 KHz typical

B) PROTECTION

1. Over-Voltage: Protected via zener diode across the output
2. Short Circuit: Electronically Protected, unit will recover upon removal of fault
3. Input Protection: Input line fusing

C) SAFETY

1. Dielectric Withstand Voltage: 5656 Vdc from primary to secondary
2. Earth Leakage Current: <100 uA @ 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

E) ENCLOSURE

1. PCB/ OPEN Frame
2. Size: 50.8*76.20*26.6mm (2*3*0.9")

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DERATING CURVE

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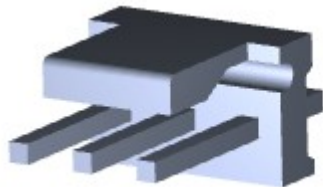
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INPUT CONFIGURATION

Description

PCB AC input connector to be Tyco P/N 640445-3 or equivalent with pin 2 removed. Mates with Tyco IDC type 3-640426-3 harness connector; w/ PCB Ground Lug

<http://www.te.com/catalog/pn/en/640445-3>



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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 15 C PENDING
	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.
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 UKRSepr (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