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Model:GTM41061-25VV-FW

August 17, 2019

GTM41061-25VV-FW

Information

Model Number GTM41061-25VV-FW

Description GTM41061-25VV-FW, Medical Power Supply, PCB Mounted/DIP, Regulated Switchmode AC-DC Power Supply AC Adaptor, , Input Rating: 100-240V~, 50-60 Hz, , Output Rating: 25 Watts, Power rating with convection cooling (W) , 5-30V in 0.1V increments, Approvals: CB, CE, cETLus, cETLus 60601.1, China RoHS, Double Insulation, IP21, Level V -115 (15V+), PSE, RoHS 2, S-Mark, VCCI, WEEE

Model Picture



Agency

Documents <http://www.globtek.info/certs/GTM41061/>

CE

EC-Declaration https://www.globtek.com/pdf/ec_declaration/a0Oa000000JBOT9EAP

RoHS/RoHS2

Declaration https://www.globtek.com/pdf/rohs_cert/a0Oa000000JBOT9EAP

REACH

Declaration https://www.globtek.com/pdf/iso_certificates/REACH.pdf

Conflict

Minerals <https://www.globtek.com/pdf/conflict-minerals.pdf>

Declaration

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Model Parameters

| | |
|--------------------|--|
| Type | PCB Mounted/DIP |
| Technology | Regulated Switchmode AC-DC Power Supply AC Adaptor |
| Category | Medical Power Supply |
| Input Voltage | 100-240V~, 50-60 Hz |
| I/P Amps (A) | 0.6A |
| Wattage (W) | 25.0 |
| Vout Range (V) | 5-30 |
| Efficiency Level | See Approvals |
| Ingress Protection | N/A |
| Size (mm) | 84*56*38 |

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ENCLOSURE

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RATING TABLE

| Model Number | Voltage | Amps(A) | Watts(W) | RFQ |
|--------------------------|---------|---------|----------|---------------------|
| GTM41061-1512-7.0-FW5 V | 3 | | 15.00 | RFQ |
| GTM41061-1512-6.0-FW6 V | 2.5 | | 15.00 | RFQ |
| GTM41061-1512-3.0-FW9 V | 1.66 | | 14.94 | RFQ |
| GTM41061-1812-FW 12 V | 1.5 | | 18.00 | RFQ |
| GTM41061-1818-3.0-FW15 V | 1.2 | | 18.00 | RFQ |
| GTM41061-1818-FW 18 V | 1 | | 18.00 | RFQ |
| GTM41061-1824-FW 24 V | 0.4 | | 9.60 | RFQ |

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SPECIFICATIONS

A) ELECTRICAL SPECIFICATIONS:

1. Input Voltage: Specified 90-264 Vac, Nameplate rated: 100-240Vac
2. Input Frequency: Specified 47-63 Hz, Nameplate rated 50-60Hz
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
09. Inrush Current: 30A typical @ 115Vac input ; 60A typical @ 230Vac input
10. Switching Frequency: 66.5 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 dual-fusing (for both line and neutral)

C) SAFETY

1. Dielectric Withstand Voltage: 5656 Vdc from primary to secondary
2. Touch Current: Maximum allowed values: 100uA NC(Normal condition) 500uA SFC(single fault condition)
3. Means of Protection: 2 x MOPP (Means Of Patient Protection)
4. ESD: 8 kV Contact/15kV Air Discharge

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 93% relative humidity, passed 7 day humidity testing per IEC 60601-1
4. Storage Temperature: -10°C to 80°C

E) ENCLOSURE

1. Upper Housing: High impact plastic, 94V0 polycarbonate, non-vented
2. Lower Housing: High impact plastic, 94V0 polycarbonate, non-vented
3. Size: 84.0* 56.0*37.9 mm +/-1.0
4. Green LED "ON" indicates output power "Available"

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DERATING CURVE

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Input Configuration

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Approvals

Logo