

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

Model:GTM41061-25VV-FW

July 28, 2021

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 Declaration	https://www.globtek.com/pdf/conflict-minerals.pdf

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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-FW	5 V	3	15.00	RFQ
GTM41061-1512-6.0-FW	6 V	2.5	15.00	RFQ
GTM41061-1512-3.0-FW	9 V	1.66	14.94	RFQ
GTM41061-1812-FW	12 V	1.5	18.00	RFQ
GTM41061-1818-3.0-FW	15 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	Description
	UKCA Certification