



ISO 9001:2000  
REGISTERED

GTM41060-FW



**Open Frame Switching Power Supply, 25 Watts,  
Universal Input, Medical, Class II**



**ELECTRICAL SPECIFICATIONS:**

**INPUT VOLTAGE:**  
100-240 VAC

**INPUT CURRENT:**  
< 0.6 A RMS MAX

**INPUT FREQUENCY:**  
47 - 63 HZ

**OUTPUT CURRENT:**  
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

**OUTPUT POWER (RATED):**  
25 WATTS MAX

**SWITCHING FREQUENCY OUTPUT RIPPLE (PEAK TO PEAK):**  
< 1% TYPICAL

**OUTPUT REGULATION (LINE/LOAD):**  
+ 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

**LINE REGULATION:**  
+ 1 % MAX AT FULL LOAD

**TURN ON/ TURN OFF OVERSHOOT:**  
4% MAX 500uS MAX RECOVERY TIME FOR 25% STEP LOAD

**TURN-ON DELAY:**  
3000 mSEC MAX

**HOLD-UP TIME:**  
16 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

**INRUSH CURRENT:**  
30 A MAX AT COLD START 120 VAC, 60A MAX  
COLD START 230VAC

**SWITCHING FREQUENCY:**  
66.5 KHZ TYPICAL

**OVER-VOLTAGE PROTECTION:**  
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

**OVER-CURRENT / SHORT CIRCUIT:**  
HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

**NO LOAD POWER CONSUMPTION:**  
< 1 W @ 230 V

**OTHER PROTECTION:**  
INPUT FUSING

**SAFETY APPROVALS (PENDING):**  
UL60601-1-3, CUL TO 22.2# 601, DEMKO TO EN60601,  
CE CLASS II, PSE TO J60950, CB REPORT, VCCI

**DIELECTRIC WITHSTAND VOLTAGE:**  
5656 VDC PRIMARY-SECONDARY

**LEAKAGE CURRENT:**  
< 0.25 mA

**LINE SURGE:**  
EN 61000-4-5 LEVEL 4

**EMI:**  
COMPLIES WITH EN55011 CLASS B AND FCC PART 15  
CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH  
CONDUCTED AND RADIATED

**OUTPUT VOLTAGE / CURRENT:**

MODEL NUMBER	PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM41060 (-or CC) 1003-X.Y-FW		+3.00	0 - 2.60	0 - 8.6
GTM41060 (-or CC) 1505-X.Y-FW		+5.00	0 - 3.00	0 - 15
GTM41060 (-or CC) 1706-X.Y-FW		+6.00	0 - 2.80	0 - 18
GTM41060 (-or CC) 1807-X.Y-FW		+7.00	0 - 2.57	0 - 18
GTM41060 (-or CC) 1809-X.Y-FW		+9.00	0 - 2.00	0 - 18
GTM41060 (-or CC) 2512-X.Y-FW		+12.00	0 - 2.08	0 - 25
GTM41060 (-or CC) 2515-X.Y-FW		+15.00	0 - 1.67	0 - 25
GTM41060 (-or CC) 2518-X.Y-FW		+18.00	0 - 1.40	0 - 25
GTM41060 (-or CC) 2520-X.Y-FW		+20.00	0 - 1.25	0 - 25
GTM41060 (-or CC) 2524-X.Y-FW		+24.00	0 - 1.04	0 - 25
GTM41060 (-or CC) 2530-X.Y-FW		+30.00	0 - 0.833	0 - 25

**CE MARK:**

TESTED TO COMPLY WITH EN 60601-1-2:2001, EN61000-3-2 ,  
EN61000-3-3AND EN50082-1, INCLUDING EN61000-4-2,  
EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6,  
EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.

**MTBF:**

GREATER THAN 50,000 HOURS AT 25°C AMBIENT  
TEMPERATURE, OPERATING TEMPERATURE: 0°C TO 40° C

**STORAGE TEMPERATURE:**

-40°C TO 80° C

**HUMIDITY:**

0% TO 90% RELATIVE HUMIDITY

**MODEL NUMBER DESCRIPTION:**

MODEL GT-41060-WWVV-X.X

**WHERE:**

41060: SERIES CODE  
(- OR CC): "-" = CONSTANT VOLTAGE MODEL, "CC" =  
CONSTANT CURRENT OPTION  
WW = DENOTES RATED WATTAGE  
(VV) = RATED VOLTAGE  
(X.X) = DENOTES VOLTAGE DIFFERENTIATOR

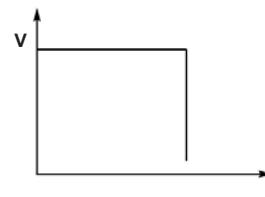
**PART NUMBER DESIGNATION:**

SEE P/N SYSTEM FOR EXPLANATION:  
XXX - DESIGNATION OUTPUT CORD + PLUG OPTION

**NOTES:**

1. EACH OUTPUT CURRENT MAY VARY WITHIN ITS DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT MAY VARY FROM 3VDC-30VDC IN 0.1V INCREMENTS
3. (-Y.Y) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM LISTED RATINGS. SUBTRACT Y.Y FROM RATED VOLTAGE.

**"CC", CONSTANT CURRENT OPTION PERFORMANCE:**



V = RATED VO

I = RATED IO

ACTUAL DATA TO BE PROVIDED ON PRODUCT SPEC.

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

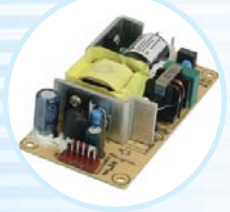
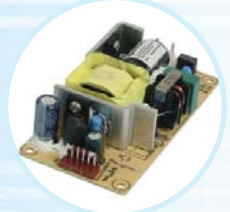
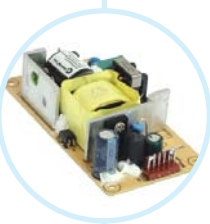
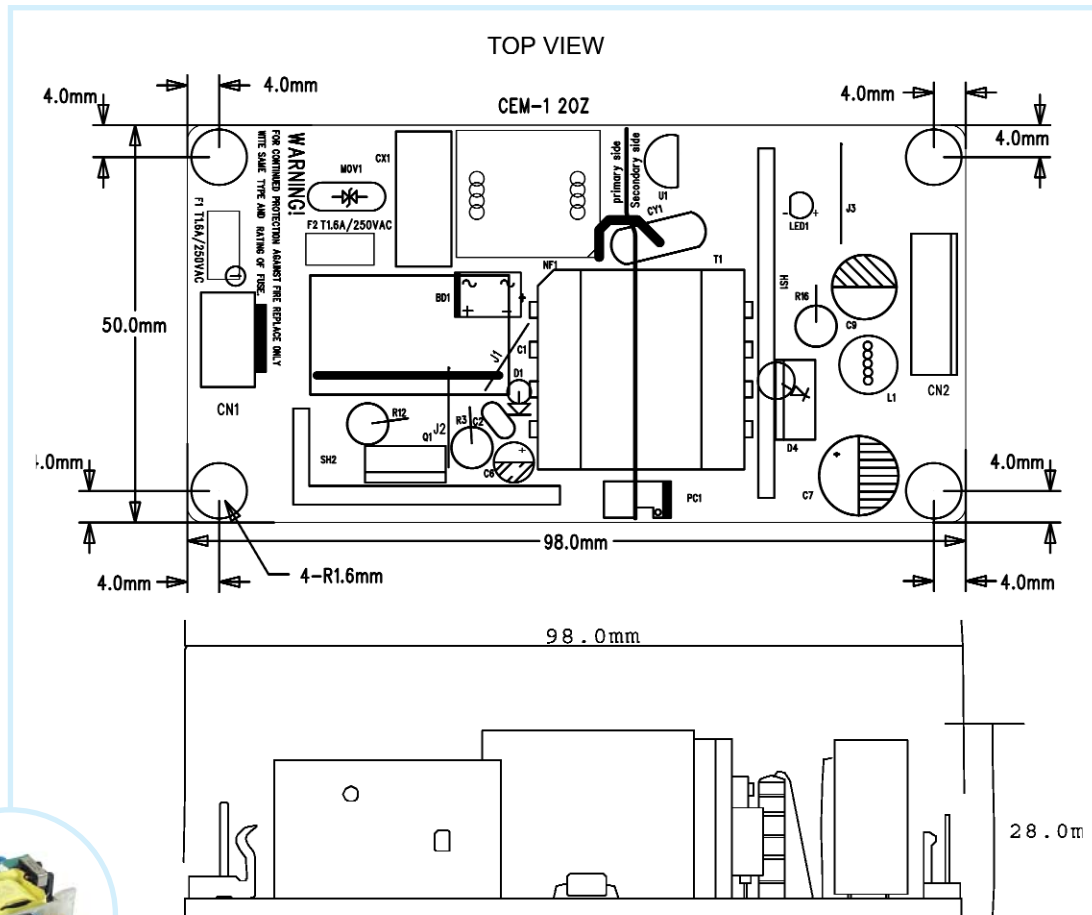


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**MECHANICAL**

SIZE: 98 x 50 x 28 ± 0.5 mm

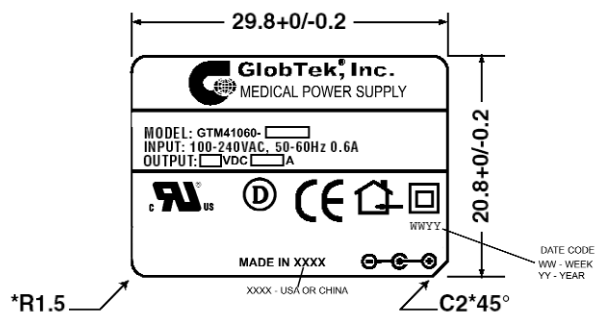


**INPUT CONNECTOR:**

MOLEX 09-65-2038  
OR EQUIVALENT,  
3 CIRCUITS WITH  
2 PIN REMOVED

**OUTPUT CONNECTOR:**

MOLEX 22-28-0040  
OR EQUIVALENT,  
6 CIRCUITS  
CONNECTOR



**NOTE:** FOR OTHER OUTPUT CONNECTOR OPTIONS,  
SEE OUTPUT/PLUG/CORD OPTIONS PAGE.

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