

TMC40 Series

30-48 Watts Medical & ITE AC/DC Power Supplies

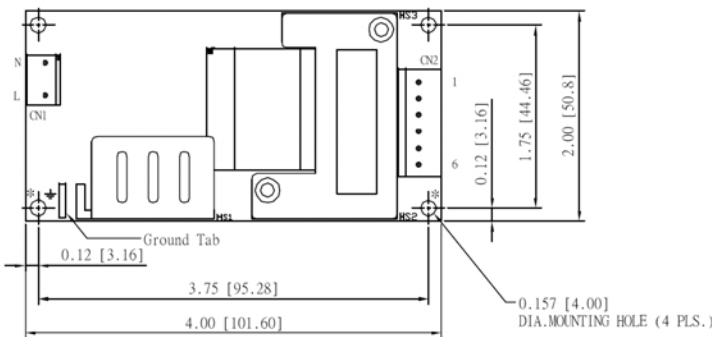
GENERAL SPECIFICATIONS

Switching Frequency	62±5 KHz
Efficiency	80~88% typical, except 75% on TMC40-T31-3 and TMC40-T31-5
Hold-up Time	12 ms minimum at 110 VAC
Line Regulation	±0.5% max. at full load
Operating Temperature	-10°C to +70°C
Derating	Derate from 100% @ +50°C linearly to 50% @ +70°C
Storage Temperature	-40°C to +85°C
Relative Humidity	5% to +95% non-condensing
Withstand Voltage	4,000 VAC from input to output 1,500 VAC from input to ground 500 VAC from output to ground
MTBF	400K hours minimum at full load, 25°C ambient, calculated per MIL-HDBK-217F

STANDARDS & COMPLIANCES

IEC 60601-1-2	EMC & Immunity performance
EN 55011, EN 55022	Class B conducted and radiated
FCC, VCCI	Class B conducted and radiated
EN 61000-3-2	Harmonic distortion, Class A & D
EN 61000-3-3	Line flicker
EN 61000-4-2	ESD, ±8 KV air and ±6 KV contact
EN 61000-4-3	Radiated immunity, 3V/m
EN 61000-4-4	Fast transient/burst, ±2 KV
EN 61000-4-5	Surge, ±1 KV diff., ±2 KV com.
EN 61000-4-6	Conducted immunity, 3 Vrms
EN 61000-4-8	Magnetic field immunity, 3A/m
EN 61000-4-11	Voltage dip immunity, 30% reduction for 500 ms, 60% reduction for 100 ms, >95% reduction for 10 ms
Safety Standards	UL 60601-1, EN 60601-1, CSA C22.2 No. 601.1, UL 60950-1, EN 60950-1, CSA C22.2 No. 60950-1,
Agency Approvals	UL, cUL, TUV, CB, CE (LVD)
Other Compliance	RoHS

MECHANICAL SPECIFICATIONS



DC OUTPUT CONNECTOR (CN2)			
PIN	SINGLE	DUAL	TRIPLE
1	OUTPUT	OUTPUT #1	OUTPUT #1
2	OUTPUT	OUTPUT #1	OUTPUT #1
3	RETURN	COMMON RETURN	COMMON RETURN
4	RETURN	COMMON RETURN	COMMON RETURN
5	N.C.	N.C.	OUTPUT #3
6	N.C.	OUTPUT #2	OUTPUT #2

NOTES:

1. Dimensions: inches [mm]
2. Tolerance: 0.02 [0.5] maximum
3. Connector CN1: Molex header 09-65-2038 or equivalent, mating with Molex housing 09-50-1031 or equivalent.
4. Connector CN2: Molex header 09-65-2068 or equivalent, mating with Molex housing 09-50-1061 or equivalent.
5. Ground tab is 0.25 [6.35] x 0.032 [0.8]
6. To ensure compliance with level B emissions, connect the two * marked mounting holes with metallic standoffs to chassis.
7. Weight: 205 grams (0.45 lb.) approx.