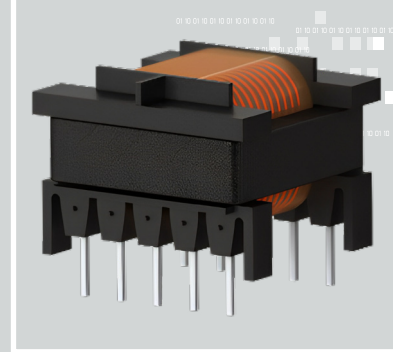


FLYT-013

Flyback Trafo 3.4W 84kHz DCM

INDUCTIVE COMPONENTS / FLYBACK TRANSFORMER



APPLICATIONS

- › Automotive EV/PHV AC/DC onboard battery chargers



01 FEATURES

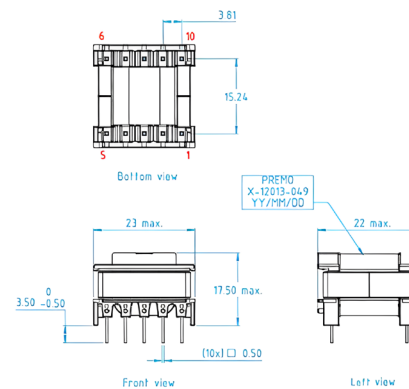
- › DCM Flyback
- › THT mounting
- › Weight : approx 15g.

02 OPERATION

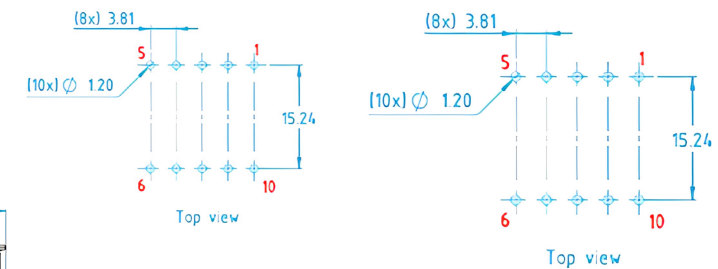
- › Operating temperature -40/+125°C
- › Switching frequency 84kHz
- › Input Prim: 9-16V
- › Output Sec1: 15V/0.1-0.16A; Sec2: +5V / 0.03 to 0.05 A
- › ESTIMATED TOTAL LOSSES (@100kHz, Pout=2.8W, Vin=9V, 150°C):
- › Total losses 0.08 W

03 SPECIFICATIONS

DIMENSIONS (mm)



ELECTRICAL DIAGRAM



ELECTRICAL SPECIFICATIONS

MAG. INDUCTANCE at 25°C

L(1,2 - 4,5) | 22.5 µH Min < 25 µH Typ < 27.5 µH Max

LEAKAGE INDUCTANCE

PRIMARY (1,2 - 4,5) All Secondary shorted | 0.5 µH MAX

DIELECTRIC STRENGTH

Between PRI (B1, B2) and SEC (B3, B4) | 2000Vac (50/60Hz; 3 mA; 2 sec)

Between windings and core | 2000Vac (50/60Hz; 3 mA; 2 sec)

TURN RATIO (10kHz/1Vac)

(N1A+N1B) : N2 : N3 : N4 | 32 : 5 : 5 : 5

DC RESISTANCE at 25°C

B1 : B2 : B3 : B4 | 10 : 10 : 20 : 7