FLYT-009
Flyback Tr. 25uH 10 : 25 : 25

INDUCTIVE COMPONENTS / FLYBACK TRANSFORMER

APPLIcATIONS

- AC/DC and DC/DC main boards in xEV converters, low power applications

01 FEATURES

- Power: 1.5W
- Switching Frequency: (60-100) kHz
- Weight: < 5g.

02 OPERATION

- Vin Range=(8-18)V, Vout/Iout = (2x) 15V/60mA, 15 V/13mA
- Operating temperature -40/+125°C
- ESTIMATED TOTAL LOSSES @60kHz, Pout=1.5W, Vin=8V, 100°C:
  - Copper losses (DC) 150 mW
  - Core losses 50 mW
  - Total losses 0.2 W

03 SPECIFICATIONS

DIMENSIONS (mm)

ELECTRICAL DIAGRAM

ELECTRICAL SPECIFICATIONS

MAG. INDUCTANCE at 25°C
L1-6 (60kHz, 0.1 Vac) 25 µH ±12%

LEAKAGE INDUCTANCE
PRIMARY Lk (1-6) (60kHz, 0.1Vac) 500 nH MAX

DC RESISTANCE at 25°C
DC RESISTANCE R1-6 110 mΩ Max
R3-4 2.0 Ω Max
R9-10 1.5 Ω Max
R7-12 1.5 Ω Max

DIELECTRIC STRENGTH
Between PRI, SEC1 (W1, W2) and SEC2, SEC3 (W3, W4)
2700Vac (50Hz; 1 mA; 60 sec)

Between PRI (W1) and SEC1 (W2)
500Vac (50Hz; 1 mA; 60 sec)

Between SEC 3 (W3) and SEC3 (W4)
1000Vac (50Hz; 0.04 mA; 60 sec)

TURN RATIO (10kHz/Vac)

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