FLYT-008
Flyback Tr. 510uH 63:8:8:5

INDUCTIVE COMPONENTS / FLYBACK TRANSFORMER

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

FEATURES
- Continuous-Conduction Mode Fly-back
- Weight: approx 13g.

OPERATION
- Operating temperature: -25/+125°C
- ESTIMATED TOTAL LOSSES (@132kHz, Pout=25W, Vin=210V, 100°C):
  - Copper losses (DC): 210 mW
  - Core losses: 300 mW
  - Total losses: 0.51 W

SPECIFICATIONS
- MAG. INDUCTANCE at 25°C
  - L (6 – 7): 510uH TYP (578uH Max)

- LEAKAGE INDUCTANCE
  - PRIMARY (6 – 7): 12 uH MAX

- DC RESISTANCE at 25°C
  - PRI (B1), pin 6 to 7: 730 mΩ TYP (912 mΩ MAX)
  - SEC (B2), pin 1 to 2: 35 mΩ TYP (43.5 mΩ MAX)
  - SEC (B3), pin 9 to 10: 38.6 mΩ TYP (48.2 mΩ MAX)
  - SEC (B4), pin 4 to 5: 150 mΩ TYP (188 mΩ MAX)

- DIELECTRIC STRENGTH
  - Between PRI (B1) and SEC (B2,B3,B4): 3000V (50/60Hz; 3 mA; 2 sec)
  - Between SEC(B2) and SEC (B4): 1000V (50/60Hz; 3 mA; 2 sec)
  - Between all windings and CORE: 1500V (50/60Hz; 3 mA; 2 sec)

- TURN RATIO (10kHz/1Vac)