**FLYT-012**

Flyback DCM Prim:100-400V Sec:3x12V 80kHz

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

**FEATURES**
- DCM Flyback
- THT mounting
- Weight : approx 37g.

**OPERATION**
- Operating temperature -40/+125°C
- Switching frequency 80kHz
- Input Prim: 100-400V/0.6Arms/1.4Apk
- Output Sec1: 12V/1.5A; Sec2: 12V/0.4A; Sec3: 12V/0.1A
- ESTIMATED TOTAL LOSSES:
  - DC-Copper losses (Vin=100V/100°C) 0.8 W
  - Core losses (Vin=400V/132kHz/100°C) 0.13 W

**SPECIFICATIONS**

**MAG. INDUCTANCE at 25°C**
L(4 - 6) 2.7 mH Typ

**LEAKAGE INDUCTANCE**
- PRIMARY (1 – 3) All Secondary shorted 10 μH MAX

**DIELECTRIC STRENGTH**
- Between PRI (N1A, N1B) and SEC (N2,N3,N4) 3000Vac (50/60Hz; 3 mA; 2 sec)
- Between SEC-N2 and SEC-N3 3000Vac (50/60Hz; 3 mA; 2 sec)
- Between windings and core 500Vac (50/60Hz; 3 mA; 2 sec)

**TURN RATIO (10kHz/1Vac)**
- (N1A+N1B) : N2 : N3 : N4 32 : 5 : 5 : 5