SMD FLYBACK 1:1 Lp56uH Ipk800/2x200mA

**APPLICATIONS**

- Automotive EV/PHV AC/DC onboard battery chargers

**FEATURES**

- Continuous Mode Flyback
- Switching Frequency 480kHz
- Duty cycle 80% MAX
- Total output power Approx. 2.6 W
- Weight: approx 4.3g.

**OPERATION**

- Ambient temperature -40°C to +125°C
- Estimated total losses (μ80kHz, Pout=2.6W, Vin=7V, 0°C):
  - Copper losses (DC) 110 mW
  - Core losses 5 mW
  - Total losses 220 mW

**SPECIFICATIONS**

- MAG. INDUCTANCE at 25°C
  - LB1: 56 µH TYP (67.2 µH MAX)

- LEAKAGE INDUCTANCE
  - B1: 2.7 µH Max

- DC RESISTANCE at 25°C
  - B1: Pins 1 to 4: 310 mΩ Max
  - B2: Pins 6 to 5: 235 mΩ Max
  - B3: Pins 8 to 7: 390 mΩ Max

- TURN RATIO (10kHz/1Vac)

- DIELECTRIC STRENGTH
  - BETWEEN B1 AND B2,B3: 2700 Vdc (5 mA; 2 sec)