

**01 FEATURES**

- Power: 1.75 W
- Switching Frequency: 115 ±15 kHz
- Weight: < 5g

**02 OPERATION**

- Vin Range =7-8V, Vout/Iout = 5V/50mA, Ixx/15V/50mA
- Operating temperature -40/+125°C
- ESTIMATED TOTAL LOSSES (at 115kHz, Pout=1.75W, Vin=12V, 100°C):
  - Copper losses (DC) 50 mW
  - Core losses 50 mW
  - Total losses 0.1 W

**03 SPECIFICATIONS**

**INDUCTIVE COMPONENTS / FLYBACK TRANSFORMER**

**FEATURES**

- Flyback Tr. 14.4uH 8:5:14:14

**APPLICATIONS**

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

**SPECIFICATIONS**

**MAG. INDUCTANCE at 25°C**

| L (1-6) (100kHz, 0.1Vac) | 14.4µH ±10% |

**LEAKAGE INDUCTANCE**

| PRIMARY Lpk (1-6) (60kHz, 0.1Vac) | 380 nH MAX |

**DC RESISTANCE at 25°C**

| DC RESISTANCE R1-6 | 90 mΩ Max |
| DC RESISTANCE R3-4 | 0.3 Ω Max |
| DC RESISTANCE R7-8 | 0.61 Ω Max |
| DC RESISTANCE R11-12 | 0.61 Ω Max |

**DIELECTRIC STRENGTH**

- Between (W1, W2) and (W3, W4): 3kVac (50Hz; 1 mA; 60 sec)
- Between (W1, W2) / (W3, W4): 1.5kVac (50Hz; 1 mA; 60 sec)

**TURN RATIO (10kHz/1Vac)**