

Power Inductor TL-GLMC Series (7.4 x 6.5 x 3mm)

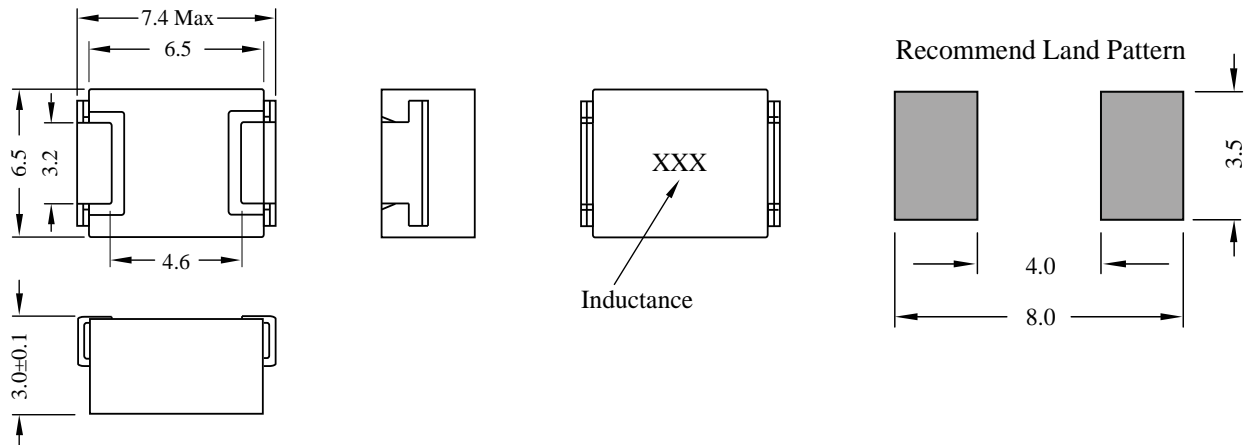
Features:

- 7.4 x 6.5mm square and 3.0mm height
- Low core loss material for highly efficient power supplies
- Excellent low heat generating characteristics due to low DCR
- Metal composite structure provides compact size and handles higher current

Applications:

- For use in DC/DC converters in notebook PCs and servers, etc
- POL (Point of Load) power supplies

Mechanical

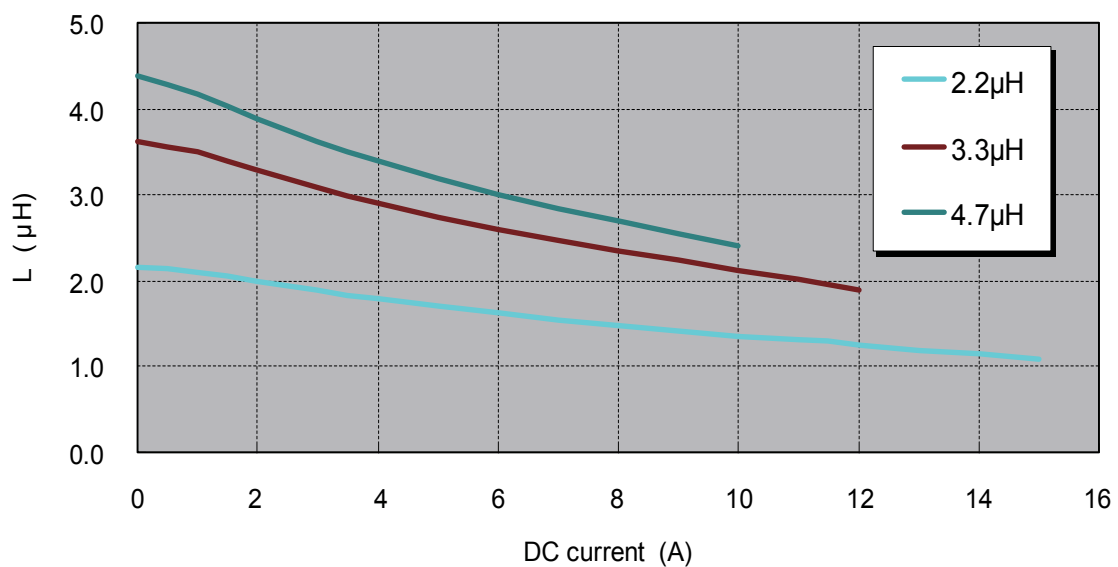
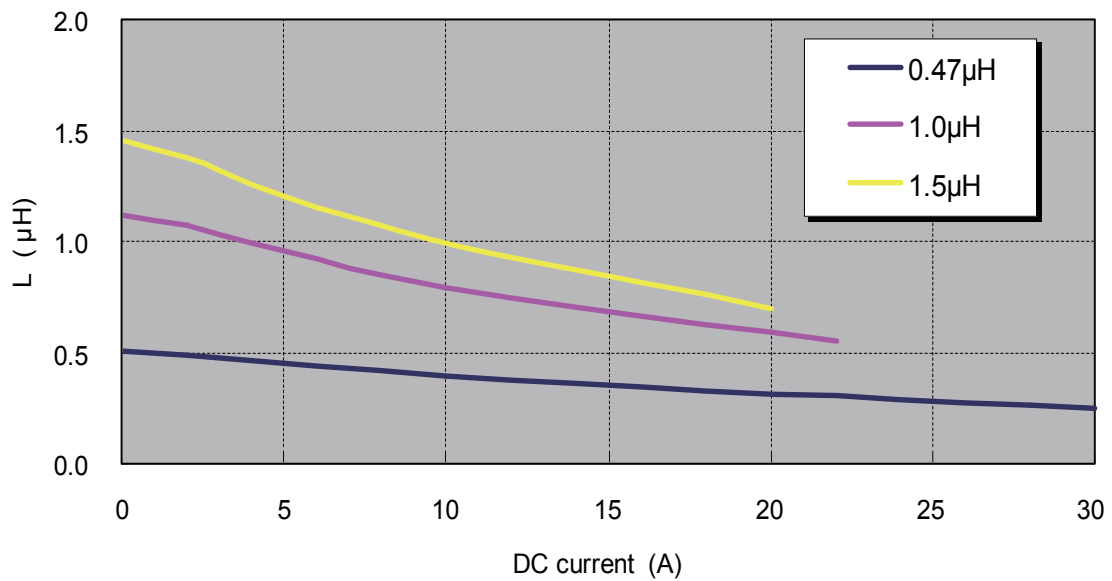


Electrical Specifications@25°C(Test conditions@100KHz,0.1V)

| Part Number | Inductance (uH) | DC Resistance (20°C) (mΩ) | Rated Current | |
|-------------|--------------------|---------------------------------|---|--|
| | | | Saturation Current ΔL/L=30% (A)Max(Typ) | Heat Rating Current ΔT=40% (A)Max(Typ) |
| TL-GLMCR47 | 0.47±20% | 3.1±10% | 13.9(16.2) | 15.4(16.8) |
| TL-GLMC1R0 | 1.0±20% | 5.8±10% | 10.0(11.7) | 10.6(11.5) |
| TL-GLMC1R5 | 1.5±20% | 9.1±10% | 8.4(9.8) | 8.8(9.5) |
| TL-GLMC2R2 | 2.2±20% | 12.4±10% | 7.1(8.3) | 7.5(8.2) |
| TL-GLMC3R3 | 3.3±20% | 20.0±10% | 6.0(7.0) | 6.2(6.6) |
| TL-GLMC4R7 | 4.7±20% | 26.9±10% | 5.1(6.0) | 5.1(5.6) |

Power Inductor TL-GLMC Series
(7.4 x 6.5 x 3mm)

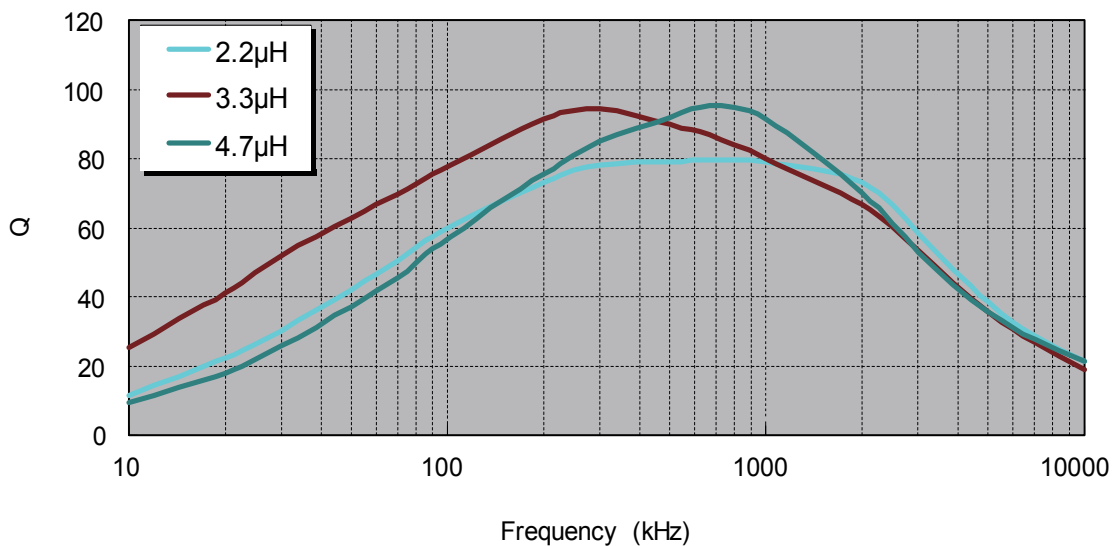
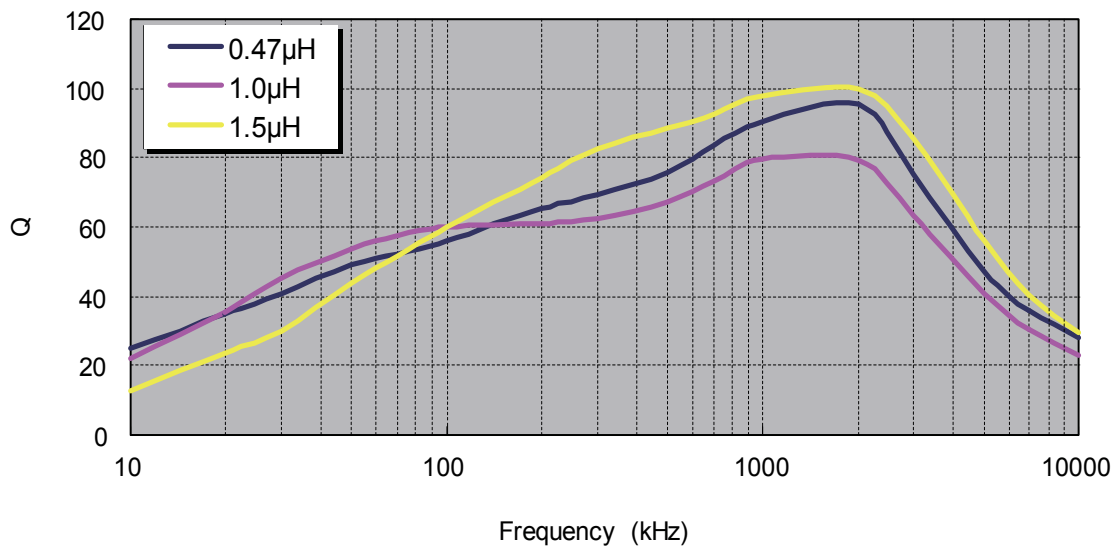
DC Bias characteristics



Power Inductor TL-GLMC Series

7.4 x 6.5 x 3mm

Q-Frequency characteristics



Power Inductor TL-GLMC Series

7.4 x 6.5 x 3mm

Temperature rise(ΔT) dependence of the Power Inductors on Load Current

