



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

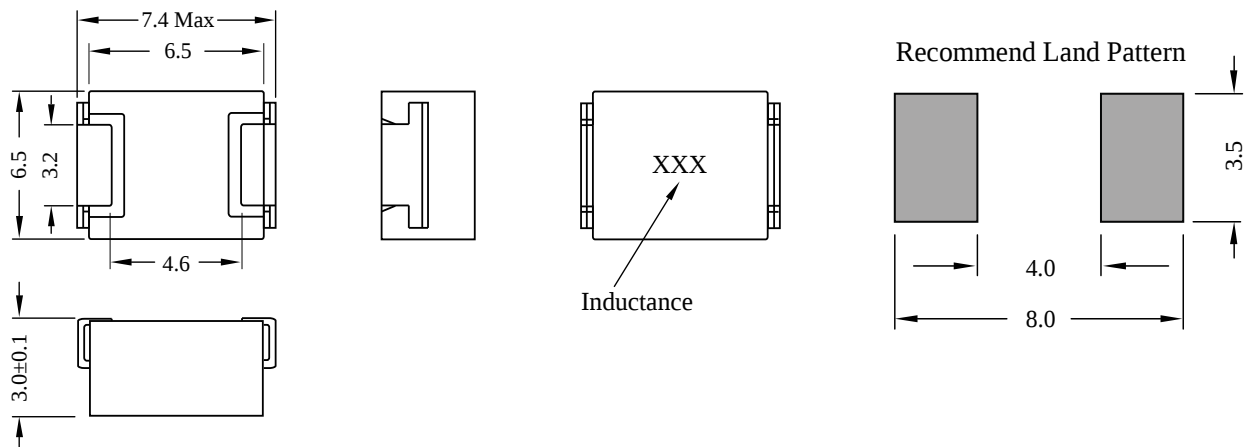
Features:

- 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



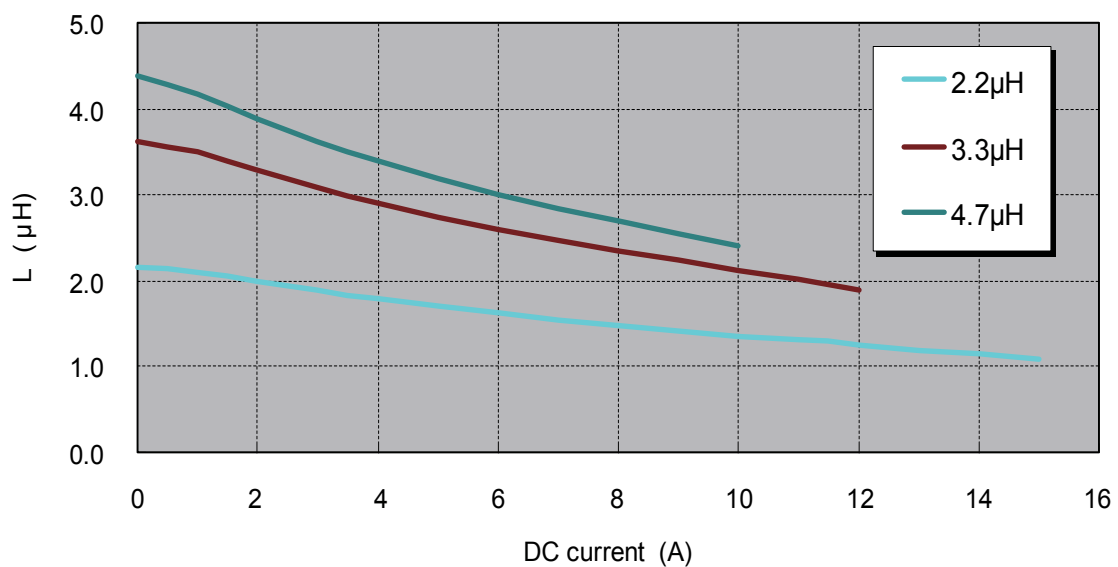
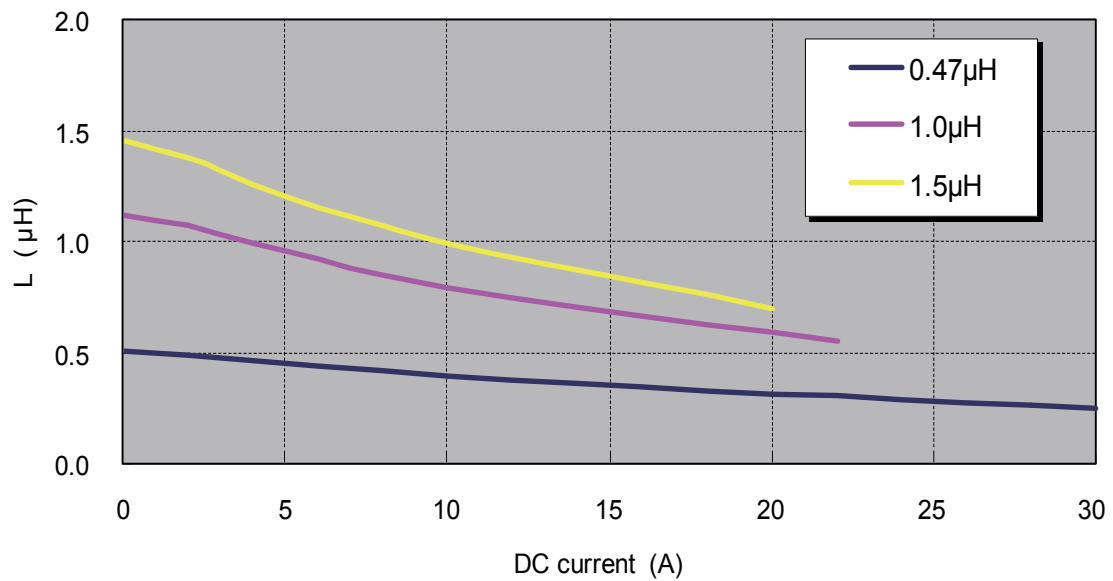
Electrical Specifications@25°C(Test conditions@100KHz,0.1V)

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)

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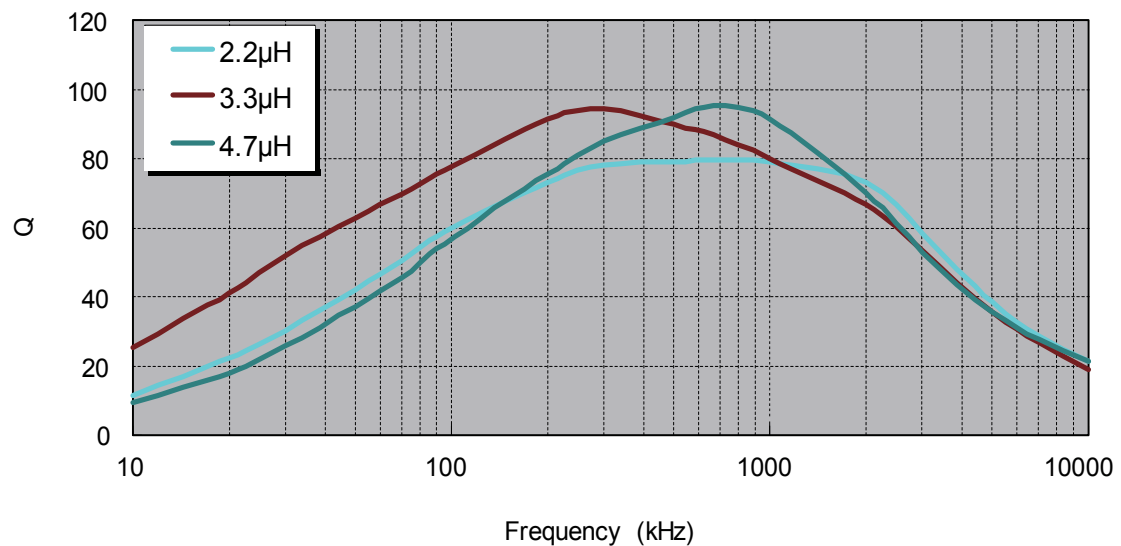
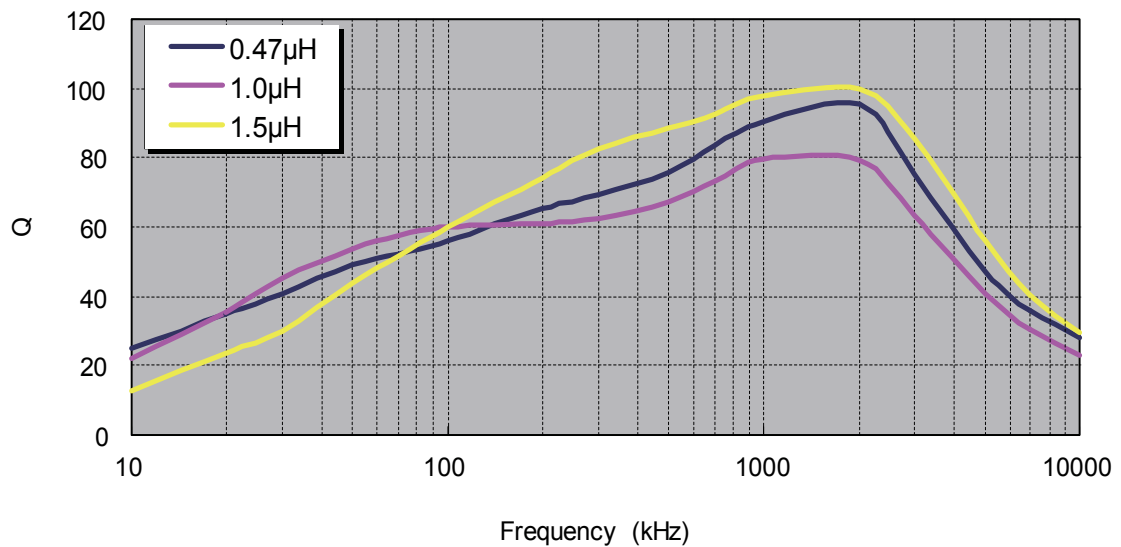
DC Bias characteristics



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Q-Frequency characteristics



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

