



GLMD Series Licalloy™

Power Inductor

Technical Data Sheet

Specification

Liquialloy™ Power Inductor GLMD Series

Features

- 11.5x10mm square and 4.0mm height
- Liquialloy low core loss material for high-efficiency power supplies
- For large current
- Excellent low heat generation characteristics and high reliability due to low direct current resistance (DCR)
- Metal composite structure allows a compact size
- Operating Temperature : -20 ~ +125°C (Including self temperature rise)
- RoHS compliant

Application

- CPU and graphics power supply circuits for notebook PCs
- DC/DC converters for servers and game consoles, etc.
- POL (Point of Load) power supplies



Outer Appearance of Liquialloy™ Inductor

ALPS Part No.	Inductance (μ H) at 100kHz	DC Resistance* (m Ω)	Rated Current	
			Saturation Current $\Delta L/L=30\%$ (A) Max. (Typ.)	Heat Rating Current $\Delta T=40^{\circ}\text{C}$ (A) Max. (Typ.)
GLMDR3601A	0.36 \pm 20%	0.76 \pm 7%	30 (35)	32 (35)
GLMDR4501A	0.45 \pm 20%	1.10 \pm 7%	25 (30)	27 (29)

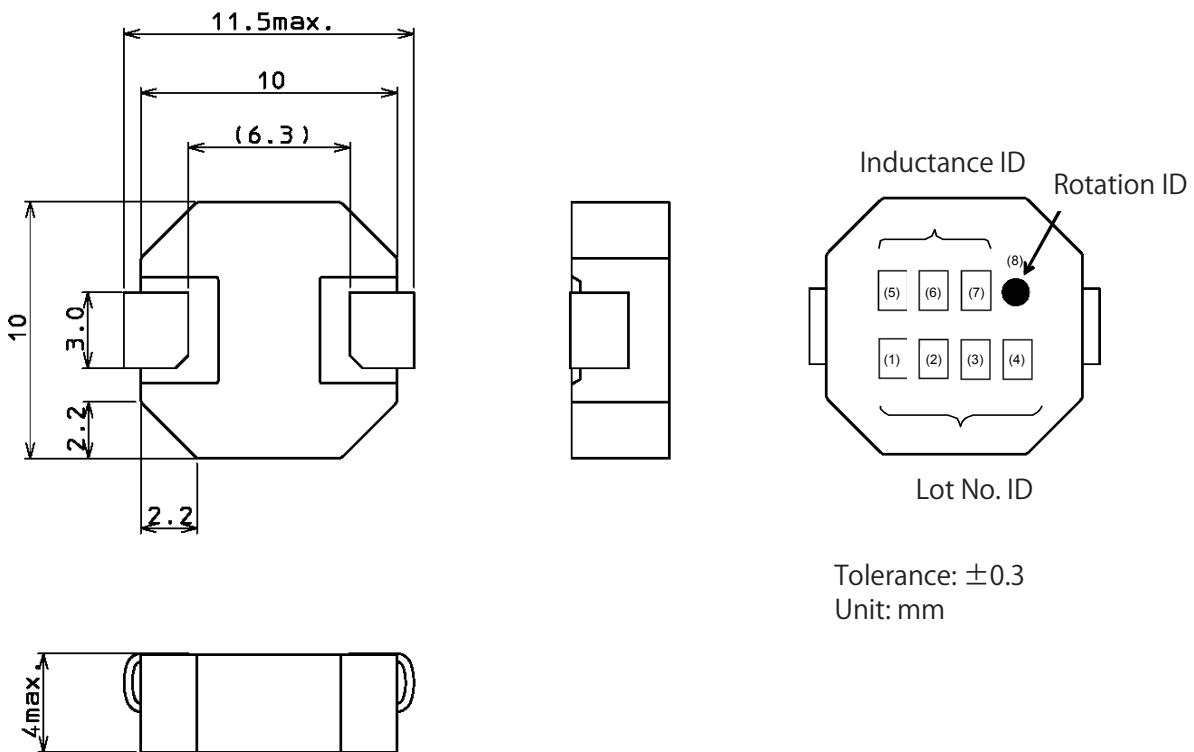
* : measured under 20°C.



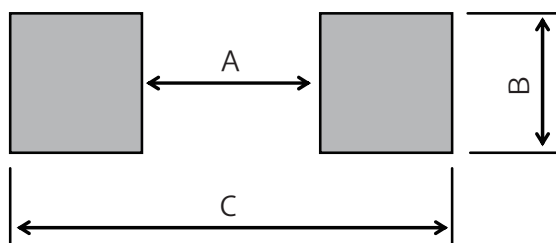
Specification

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Outline Dimensions and Schematics



Recommend Land Pattern Dimensions



A	5.4
B	4.1
C	13.6

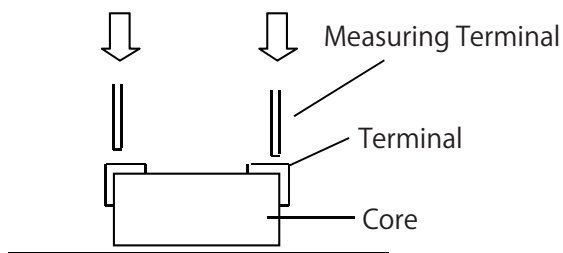
Unit: mm



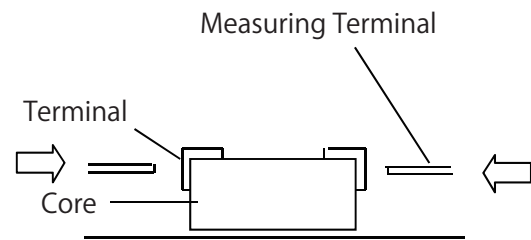
Specification

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Schematic Diagram of Rdc Measurement



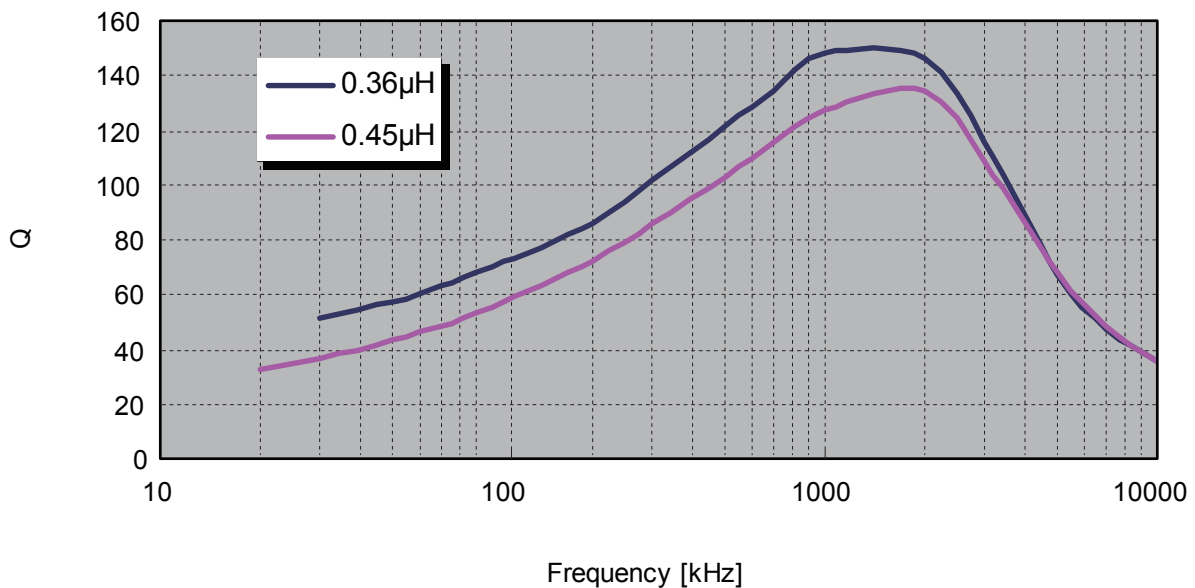
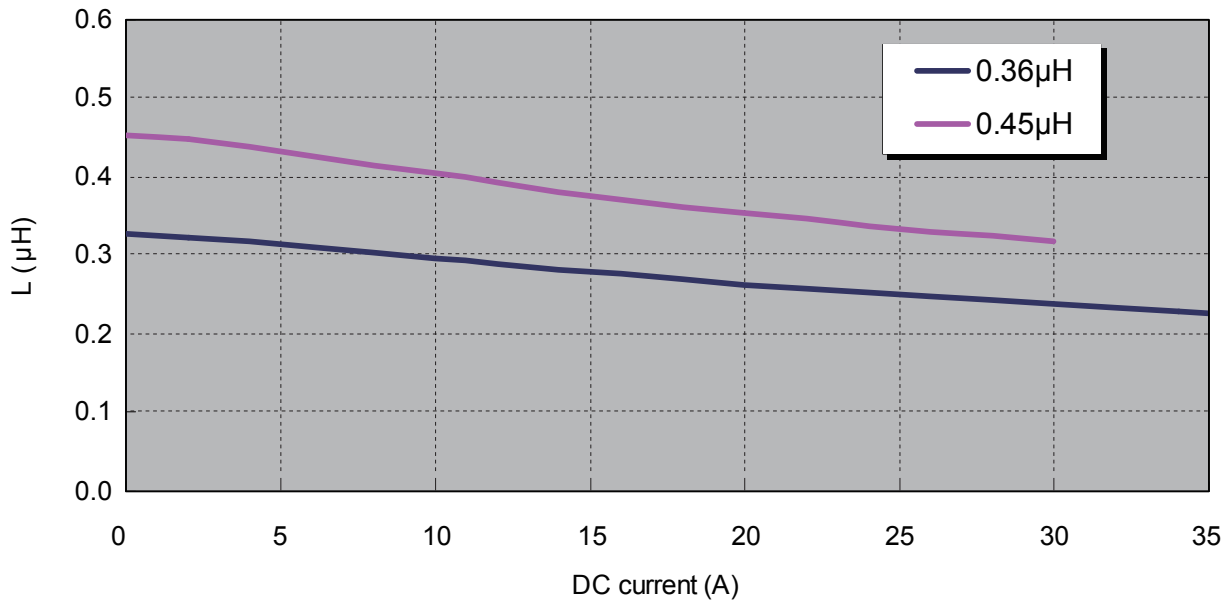
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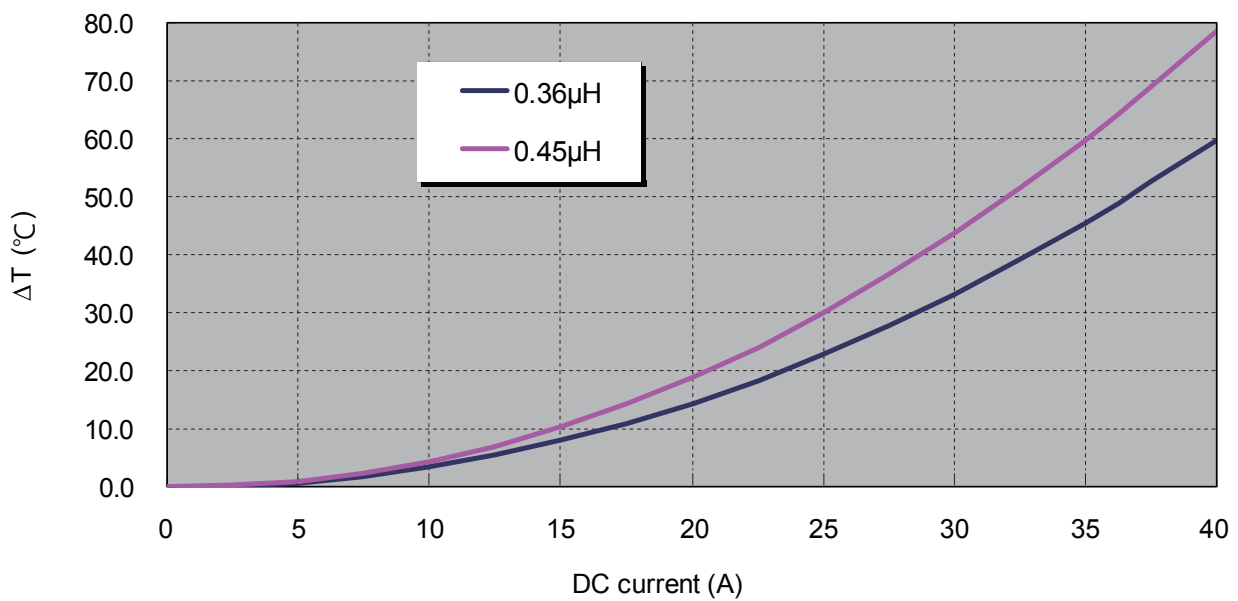
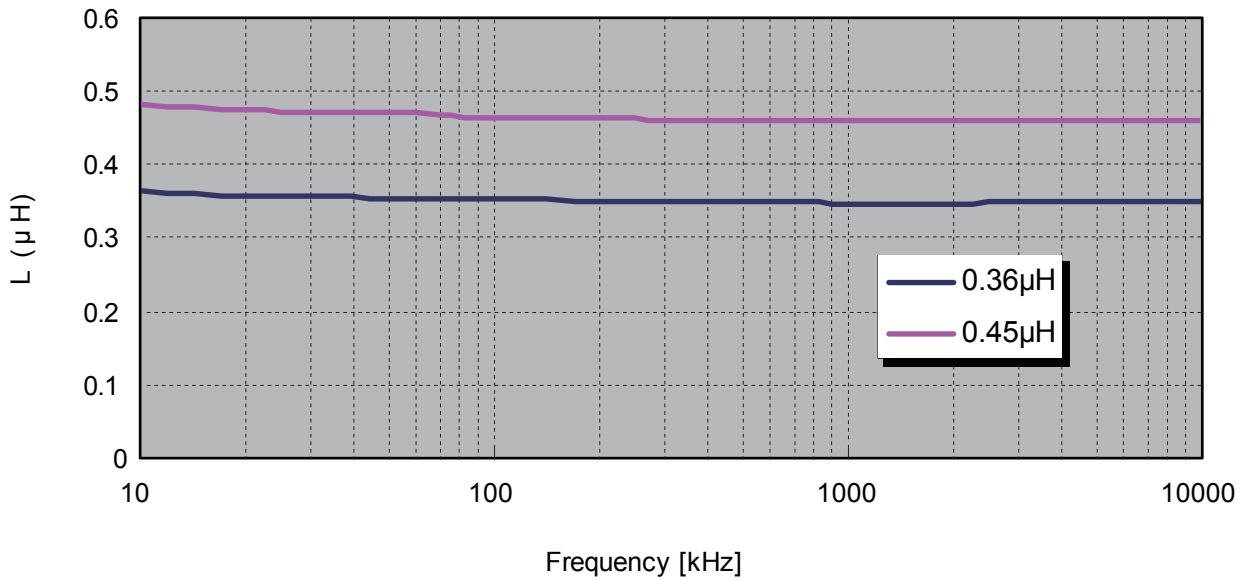
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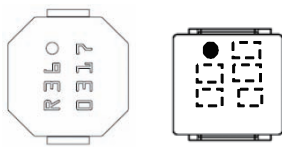
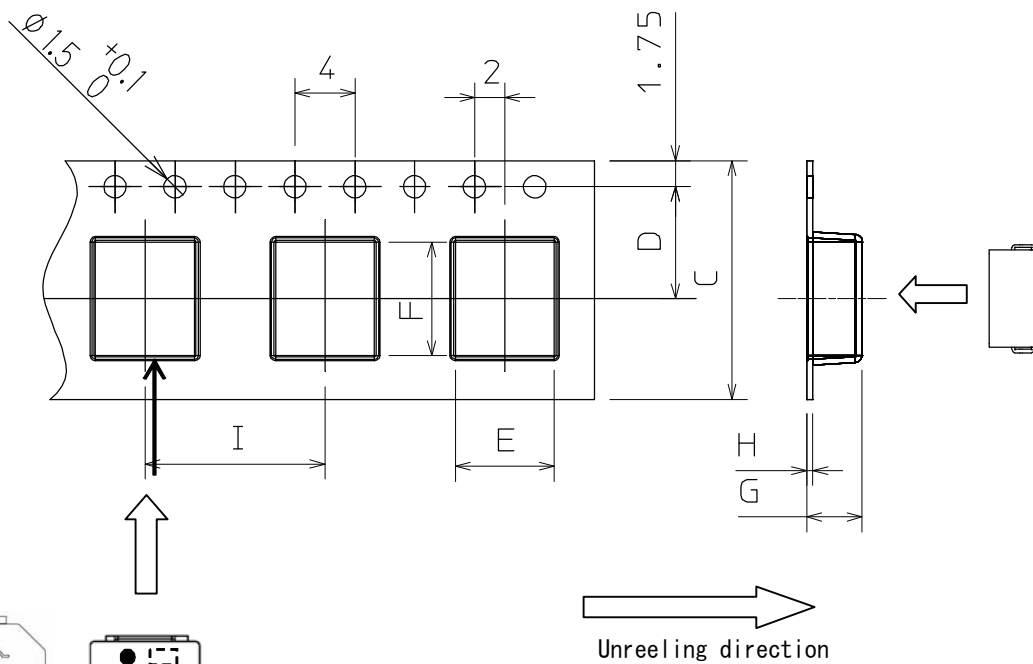
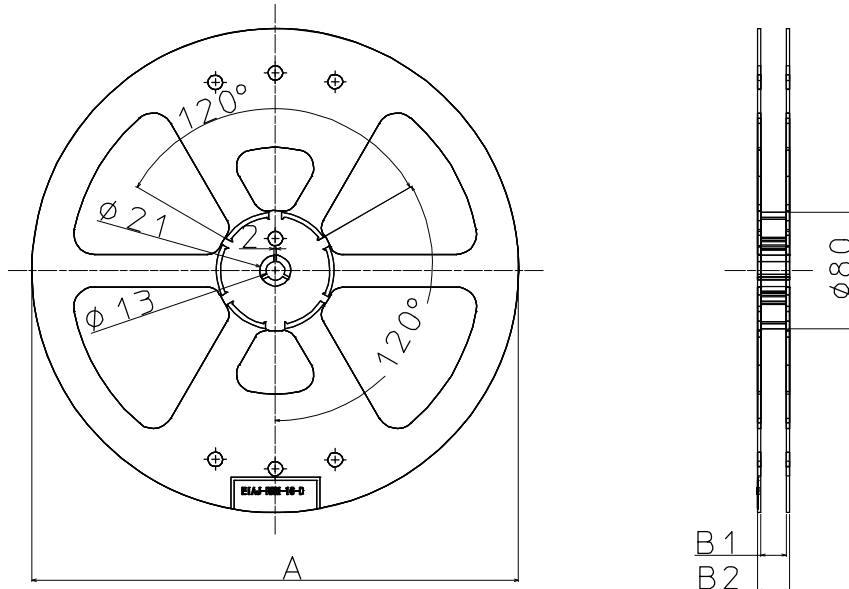
D.C. bias & Q-f characteristics



L-f characteristics & Temperature rise (ΔT) dependence on Load Current



Packing



Unit: mm

	Reel Size			Tape Size						QNT	
	A	B1	B2	C	D	E	F	G	H		I
GLMC/GLMH	φ330	17.5	21.5	16	7.5	6.8	7.8	3.3	0.4	12	1000
GLMD	φ330	25.4	29.4	24	11.5	10.5	12.1	4.3	0.4	16	1000



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■ Inquiries about Products

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Products Information Site

[Http://www.alps.com/products/e/](http://www.alps.com/products/e/)

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