

SMD Power Inductor CDRH60D28/A



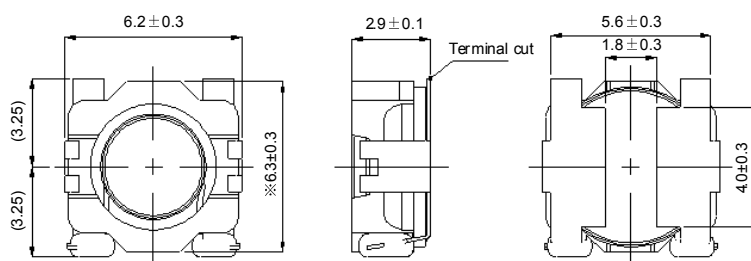
RoHS



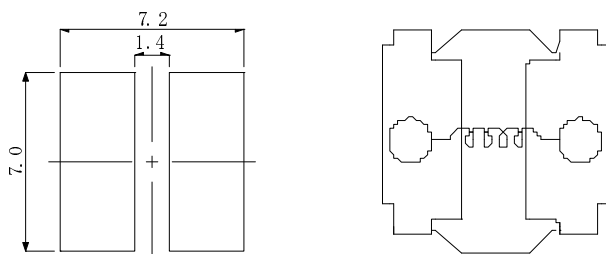
Description

- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H: 6.6 × 6.5 × 3.0 mm Max.
- Product weight: 0.35g (Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Qualification to AEC-Q200.

Dimension - [mm]



Land pattern and Schematics - [mm]



Environmental Data

- Operating temperature range: -40°C ~ +125°C (including coil's self temperature rise).
- Storage temperature range: -40°C ~ +85°C
- Solder reflow temperature: 260 °C peak.

Packaging

- Carrier tape and reel packaging.

Applications

- Automotive and other high temperature, high reliability application.

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Electrical Characteristics

Part No.	Stamp	Inductance (μ H) ※1 [within]	D.C.R. (m Ω) Max. (Typ.) (at 20°C)	Rated Current (A) ※2 (at 125°C)
CDRH60D28/ANP-4R7N	A	4.7 μ H $\pm$ 30%	64(51)	1.70
CDRH60D28/ANP-6R8N	B	6.8 μ H $\pm$ 30%	75(60)	1.37
CDRH60D28/ANP-100N	C	10 μ H $\pm$ 30%	103(82)	1.24
CDRH60D28/ANP-150N	D	15 μ H $\pm$ 30%	155(124)	0.95
CDRH60D28/ANP-220N	E	22 μ H $\pm$ 30%	234(187)	0.80
CDRH60D28/ANP-330N	F	33 μ H $\pm$ 30%	384(307)	0.65
CDRH60D28/ANP-470N	G	47 μ H $\pm$ 30%	598(478)	0.54
CDRH60D28/ANP-680N	H	68 μ H $\pm$ 30%	760(608)	0.45
CDRH60D28/ANP-101N	J	100 μ H $\pm$ 30%	1250(997)	0.38
CDRH60D28/ANP-151N	K	150 μ H $\pm$ 30%	1790(1430)	0.32
CDRH60D28/ANP-221N	L	220 μ H $\pm$ 30%	2250(1800)	0.26
CDRH60D28/ANP-331N	M	330 μ H $\pm$ 30%	3680(2940)	0.21
CDRH60D28/ANP-471N	N	470 μ H $\pm$ 30%	5450(4360)	0.18

※1. Inductance measuring condition: at 100 kHz.

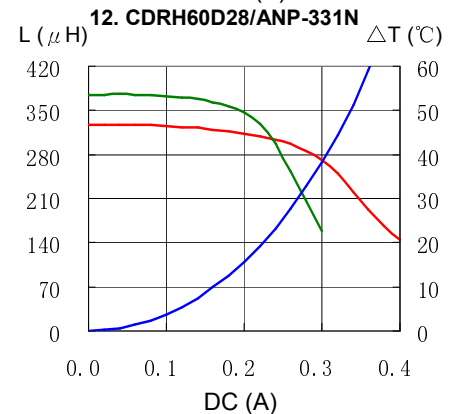
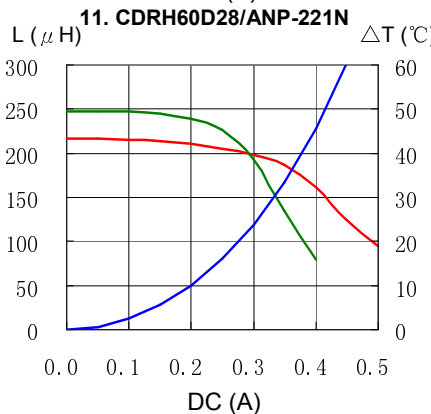
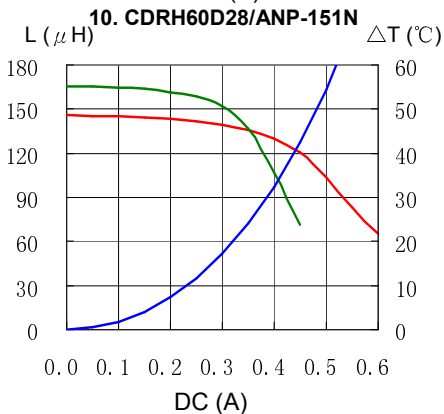
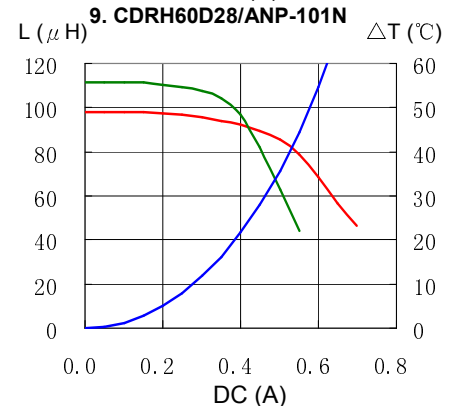
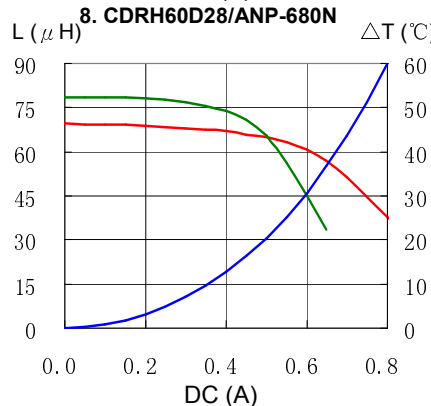
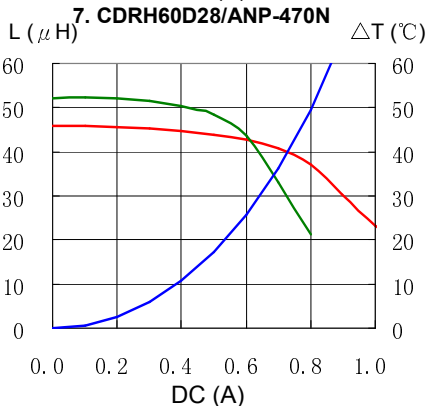
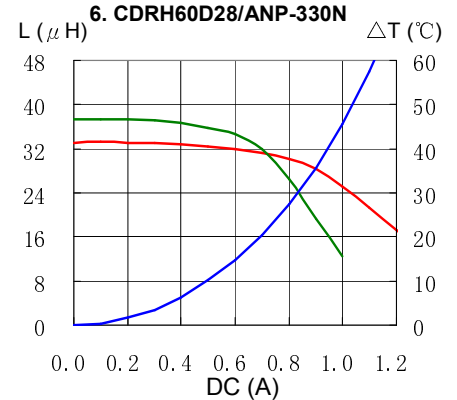
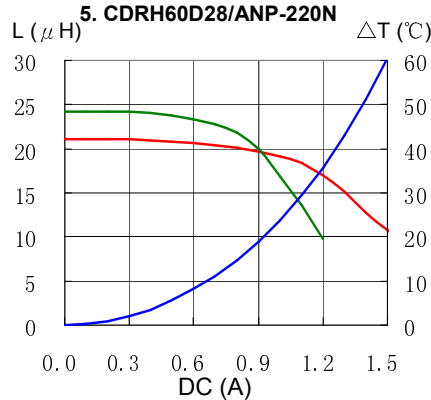
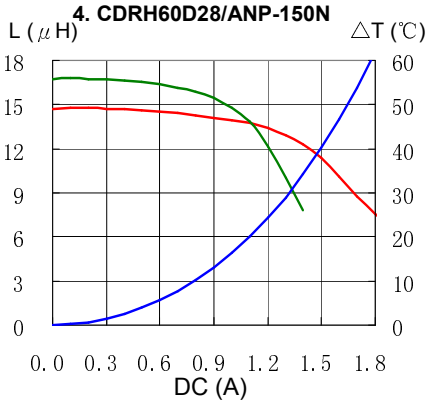
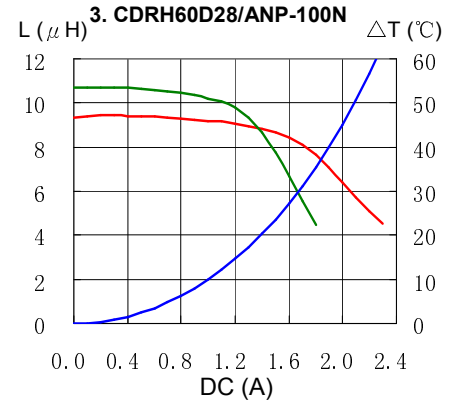
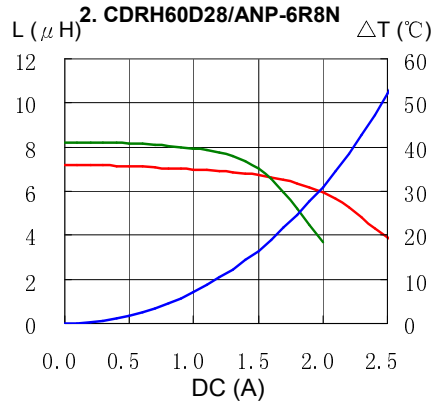
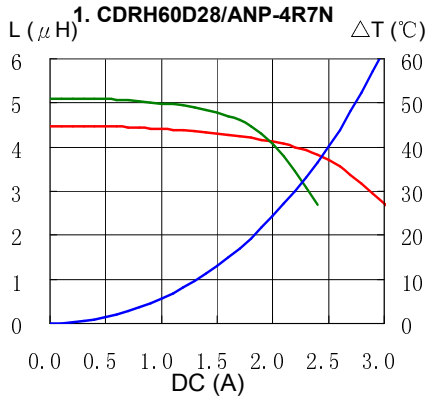
※2. Rated current: The DC current at which the inductance decreases to 65% of its nominal value or when $\Delta t=30^{\circ}\text{C}$, whichever is lower .

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Saturation Current & Temperature Rise Graph

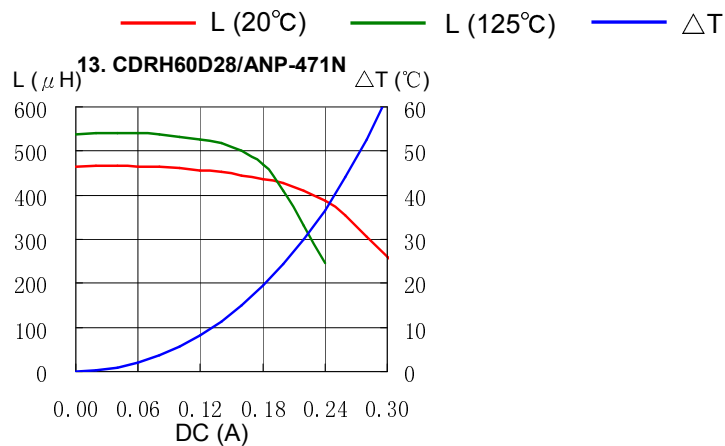
— L (20°C) — L (125°C) — ΔT



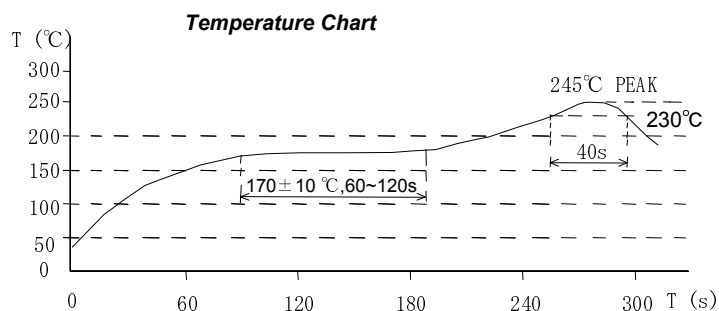
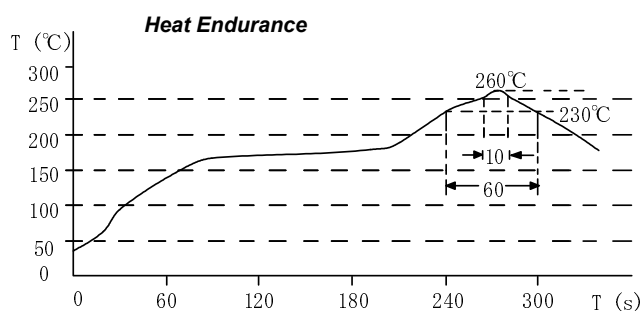
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Saturation Current & Temperature Rise Graph



Solder Reflow Condition



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