

SMD Power Inductor

CDRH8D43



Electrical Characteristics

Part Name	Stamp	Inductance (μ H) [within] ※1	D.C.R. (m Ω) Max. (Typ.) (at 20°C)	Saturation Current (A) ※2 (Typ.)	Temperature Rise Current (A) ※3
CDRH8D43NP-R68NC	R68	$0.68 \pm 35\%$	9.5(7.0)	9.0(10.80)	7.60
CDRH8D43NP-1R2NC	1R2	$1.2 \pm 35\%$	12.2(9.0)	8.0(10.50)	7.00
CDRH8D43NP-2R0NC	2R0	$2.0 \pm 30\%$	14(11)	7.0(9.00)	6.30
CDRH8D43NP-3R9NC	3R9	$3.9 \pm 30\%$	19(15)	5.9(7.50)	4.90
CDRH8D43NP-4R7NC	4R7	$4.7 \pm 30\%$	22(17)	5.6(7.20)	4.60
CDRH8D43NP-6R8NC	6R8	$6.8 \pm 30\%$	25(20)	4.4(5.80)	4.30
CDRH8D43NP-100NC	100	$10 \pm 30\%$	36(29)	4.0(5.50)	3.50
CDRH8D43NP-150NC	150	$15 \pm 30\%$	53(42)	2.9(3.60)	2.55
CDRH8D43NP-220NC	220	$22 \pm 30\%$	75(60)	2.6(3.25)	2.10
CDRH8D43NP-330NC	330	$33 \pm 30\%$	125(100)	2.2(2.60)	1.55
CDRH8D43NP-470NC	470	$47 \pm 30\%$	150(120)	1.8(2.25)	1.42
CDRH8D43NP-680NC	680	$68 \pm 30\%$	240(190)	1.5(1.76)	1.15
CDRH8D43NP-101NC	101	$100 \pm 30\%$	360(290)	1.3(1.55)	0.88

※1. Inductance measuring conditions at 100kHz.

※2. Saturation current: The DC current at which the inductance decreases to 65% of its nominal value.

※3. Temperature rise current: The actual DC current at which the temperature rise is $\Delta t = 40^\circ\text{C}$. ($T_a = 20^\circ\text{C}$)

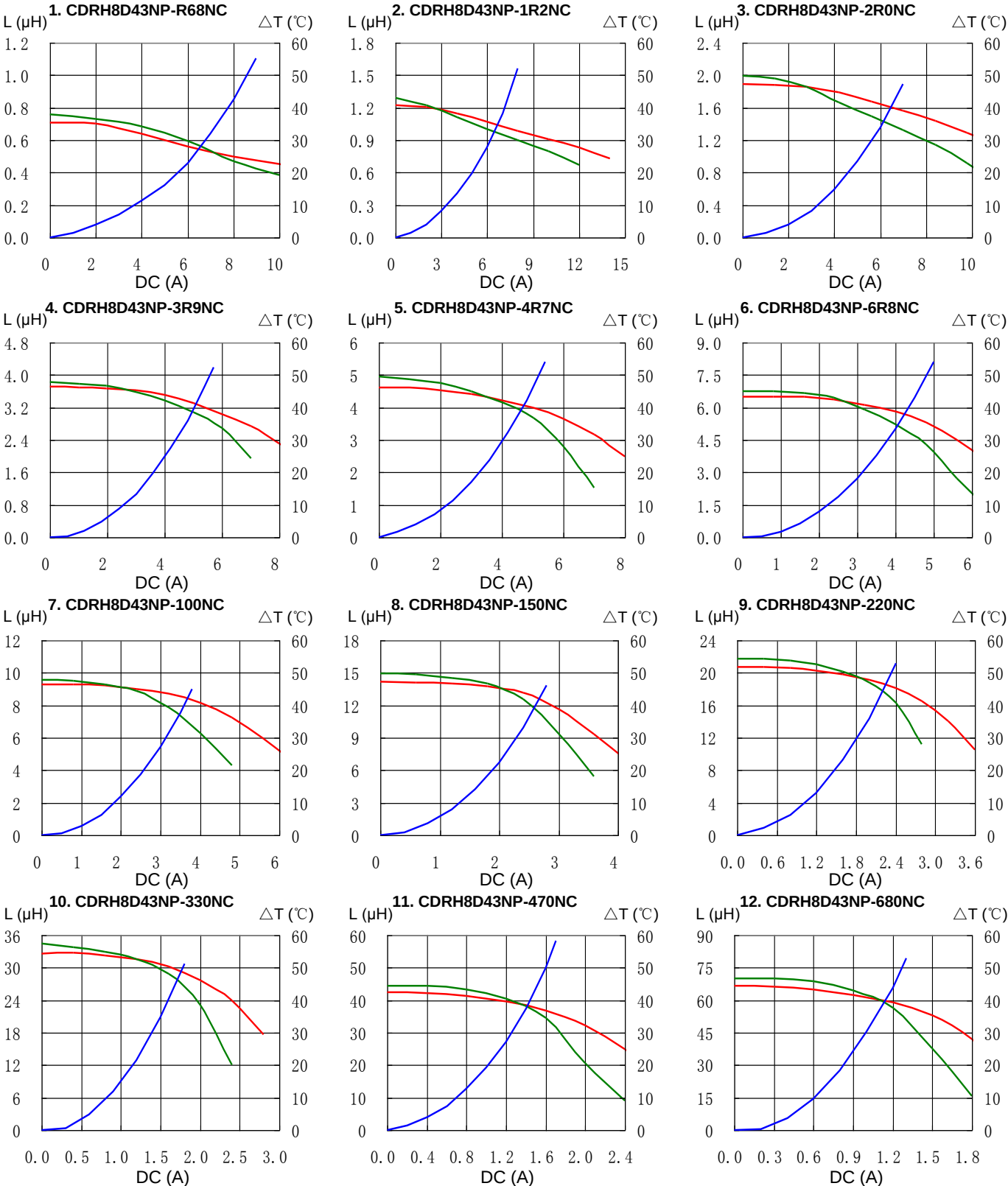
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Saturation Current & Temperature Rise Graph

— L (20°C) — L (100°C) — ΔT

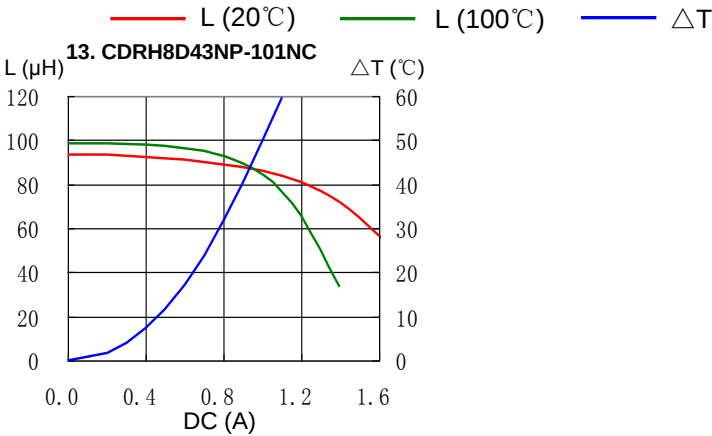


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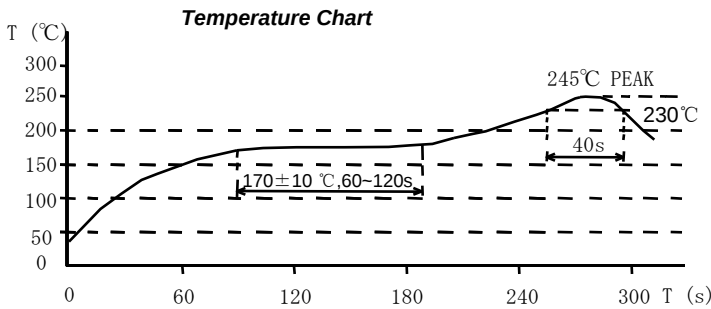
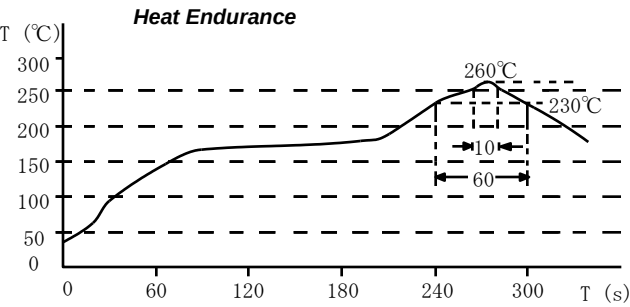
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Saturation Current & Temperature Rise Graph



Solder Reflow Condition



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