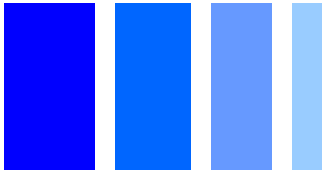


SMD Power Inductor
CDRH6D38/T125



Electrical Characteristics

Part Name	Stamp	Inductance (μ H) 100kHz	D.C.R.(m Ω) [Max.] (at 20°C)	Saturation Current (A) ※1		Temperature Rise Current (A) ※2
				(at20°C)	(at125°C) (Typ.)	
CDRH6D38T125NP-3R0NC	3R0	3.0 $\pm$ 30%	22.0(17.5)	3.90	3.00	4.50
CDRH6D38T125NP-3R9NC	3R9	3.9 $\pm$ 30%	24.5(19.6)	3.30	2.50	4.00
CDRH6D38T125NP-4R7NC	4R7	4.7 $\pm$ 30%	27.5(22.0)	3.10	2.40	3.80
CDRH6D38T125NP-5R6NC	5R6	5.6 $\pm$ 30%	30.5(24.4)	2.85	2.10	3.50
CDRH6D38T125NP-6R8NC	6R8	6.8 $\pm$ 30%	33.0(26.4)	2.65	2.00	3.30
CDRH6D38T125NP-100PC	100	10 $\pm$ 25%	43.5(34.8)	2.20	1.70	3.00
CDRH6D38T125NP-150PC	150	15 $\pm$ 25%	59.8(47.8)	1.80	1.50	2.20
CDRH6D38T125NP-220PC	220	22 $\pm$ 25%	103.4(82.7)	1.50	1.00	1.65
CDRH6D38T125NP-330PC	330	33 $\pm$ 25%	145(116)	1.25	0.95	1.45
CDRH6D38T125NP-470PC	470	47 $\pm$ 25%	181(145)	1.00	0.80	1.20
CDRH6D38T125NP-680PC	680	68 $\pm$ 25%	250(200)	0.85	0.65	1.00
CDRH6D38T125NP-101PC	101	100 $\pm$ 25%	372(298)	0.68	0.55	0.85

※1. Saturation current: The value of D.C. current when the inductance decreases to 65% of it's nominal value.

※2. Temperature rise current: The value of D.C. current when the temperature rise is $\Delta t=40^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$).

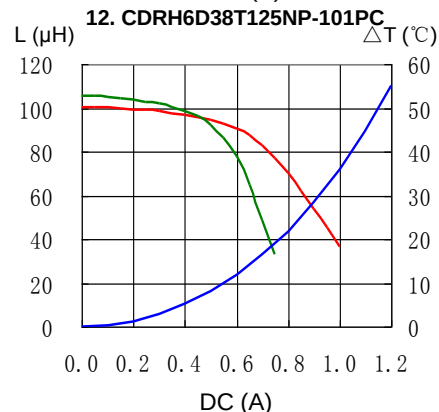
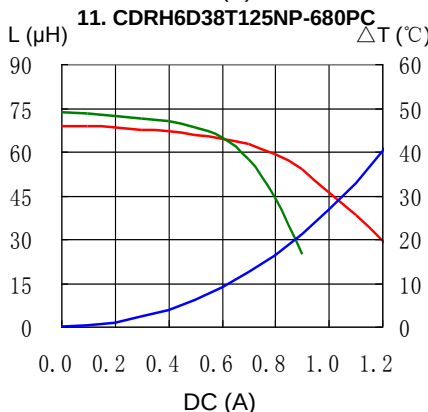
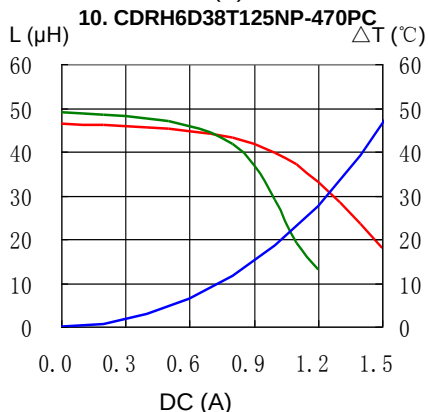
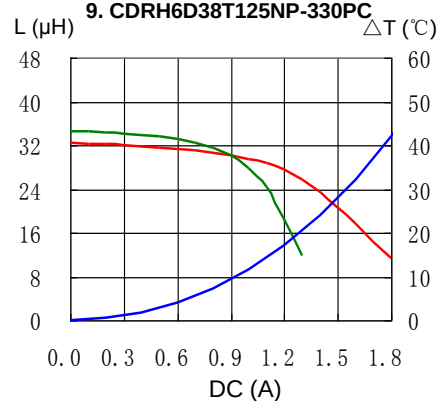
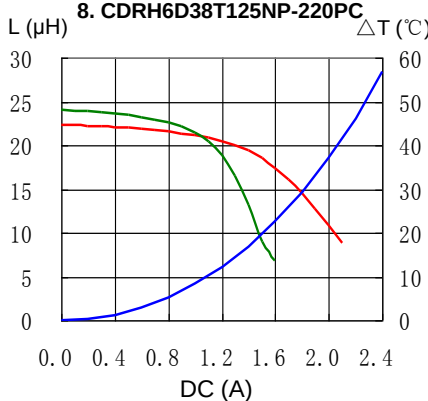
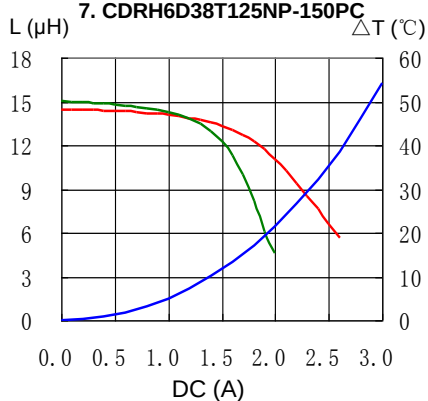
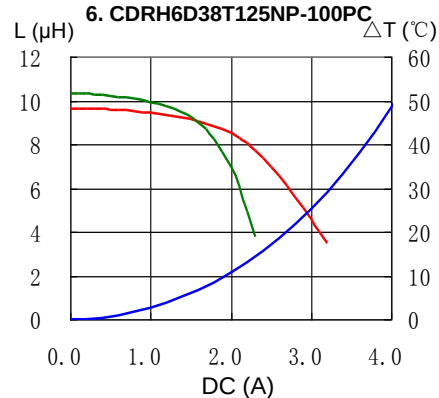
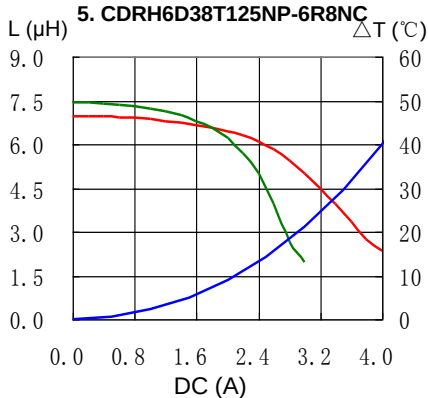
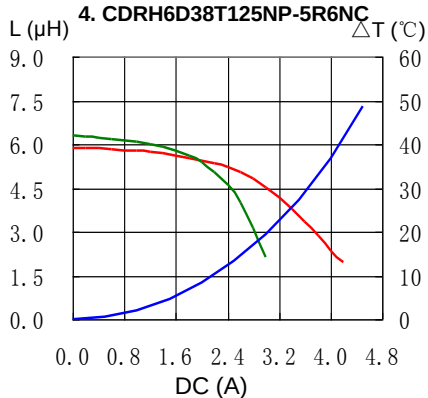
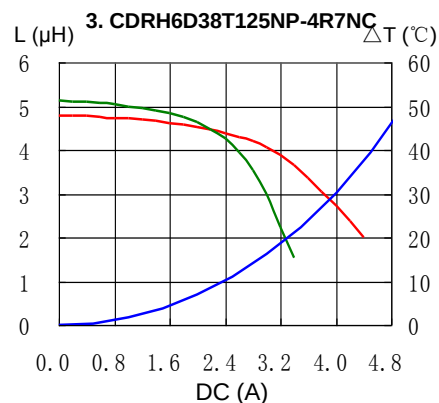
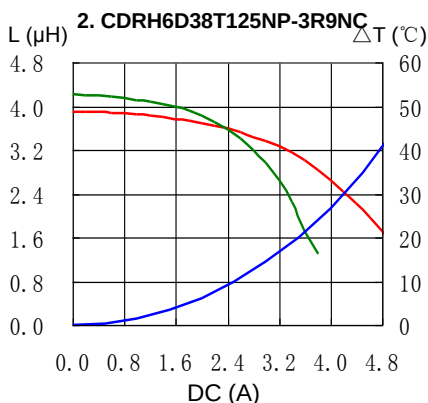
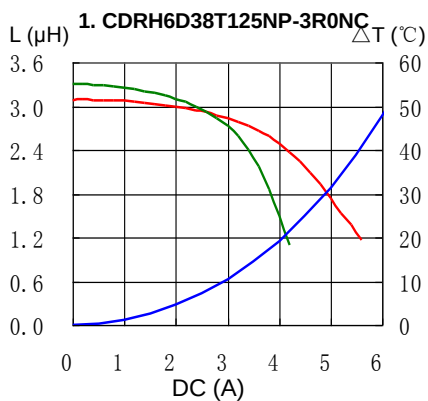
SMD Power Inductor

CDRH6D38/T125



Saturation Current & Temperature Rise Graph

— L (20°C) — L (125°C) — ΔT

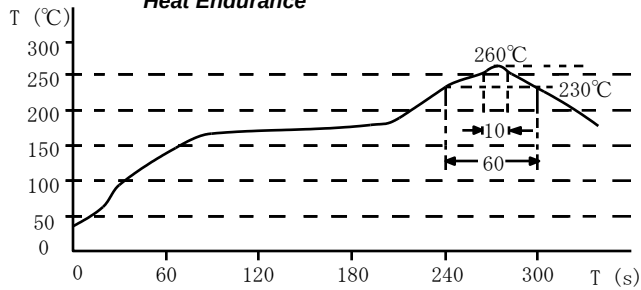


SMD Power Inductor CDRH6D38/T125

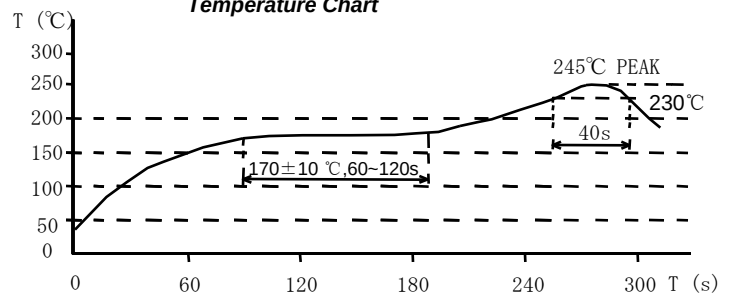


Solder Reflow Condition

Heat Endurance



Temperature Chart



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