

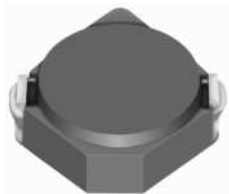
SMD Power Inductor

CDRH2D11B/HP

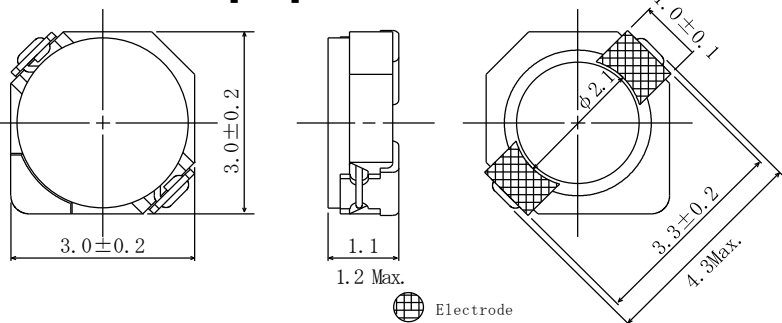


RoHS

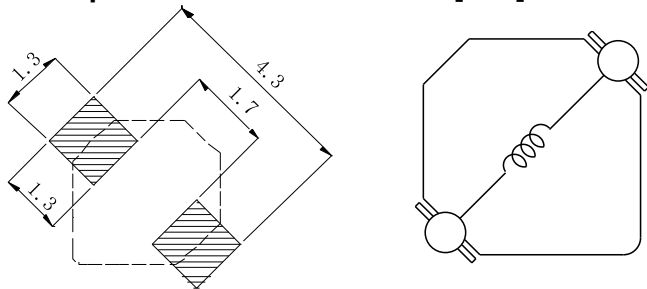
Halogen
Free



Dimension - [mm]



Land pattern and Schematics - [mm]



Electrical Characteristics

Part Name	Stamp	Inductance (μ H) [within] ※1	D.C.R. (m Ω) Max. (Typ.) (at 20°C)	Saturation Current (A) ※2		Temperature Rise Current (A) ※3
				at 20°C Max.(Typ.)	at 105°C Max.(Typ.)	
CDRH2D11BHPHF-1R0PC	A	$1.0 \pm 25\%$	68.6(54.9)	2.10(2.28)	1.70(1.88)	1.75
CDRH2D11BHPHF-1R5PC	B	$1.5 \pm 25\%$	103.9(83.1)	1.65(1.85)	1.40(1.52)	1.45
CDRH2D11BHPHF-1R8PC	C	$1.8 \pm 25\%$	116.1(92.9)	1.50(1.72)	1.30(1.40)	1.30
CDRH2D11BHPHF-2R2PC	D	$2.2 \pm 25\%$	133.3(106.6)	1.40(1.52)	1.20(1.30)	1.15
CDRH2D11BHPHF-3R3PC	E	$3.3 \pm 25\%$	194.6(156.7)	1.15(1.27)	0.94(1.04)	0.95
CDRH2D11BHPHF-4R7PC	F	$4.7 \pm 25\%$	234.6(187.7)	0.95(1.11)	0.80(0.86)	0.80
CDRH2D11BHPHF-5R6PC	G	$5.6 \pm 25\%$	281.9(225.5)	0.90(1.00)	0.75(0.82)	0.76
CDRH2D11BHPHF-6R8PC	H	$6.8 \pm 25\%$	359.4(287.5)	0.78(0.87)	0.65(0.73)	0.65
CDRH2D11BHPHF-8R2PC	I	$8.2 \pm 25\%$	405.5(324.4)	0.73(0.81)	0.60(0.65)	0.62
CDRH2D11BHPHF-100PC	J	$10.0 \pm 25\%$	552.5(442.0)	0.63(0.71)	0.52(0.57)	0.52

※1. Inductance measuring condition: at 100kHz.

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

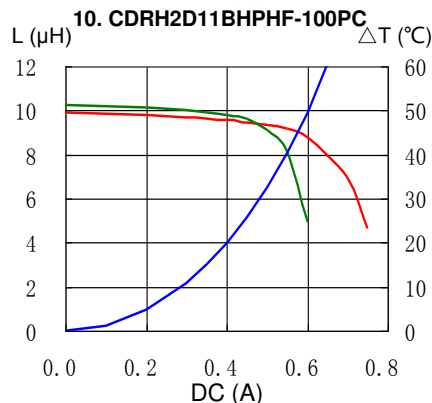
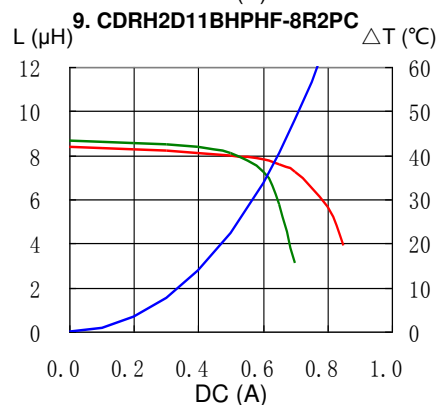
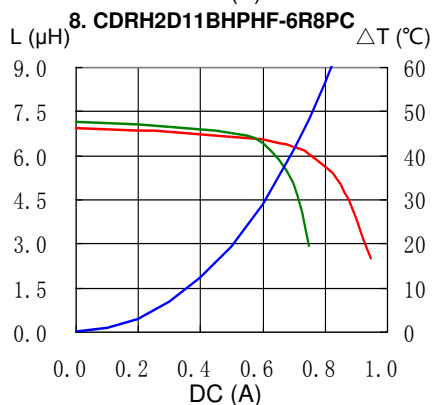
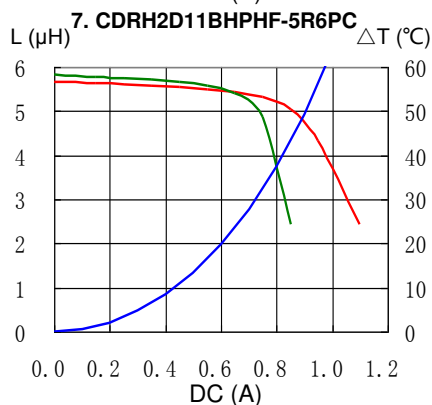
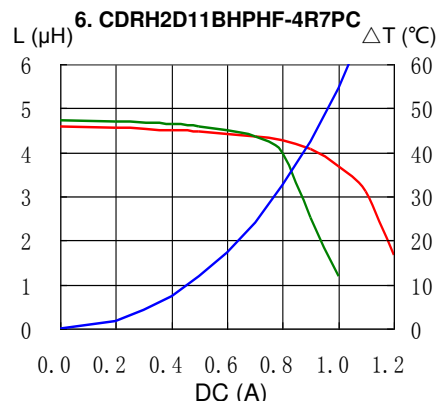
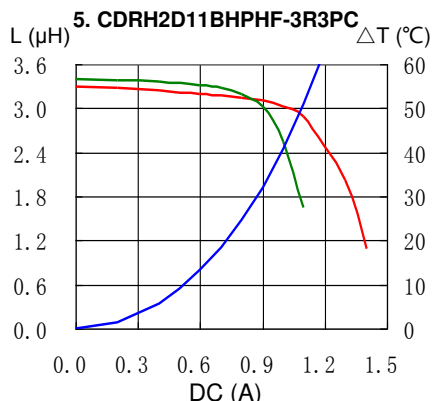
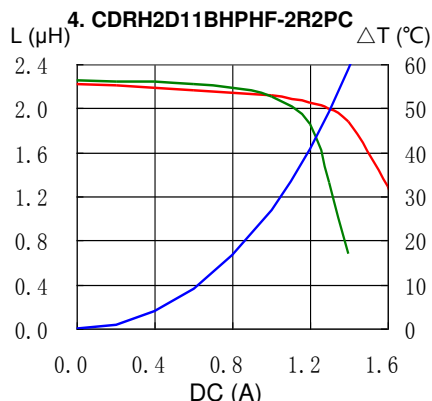
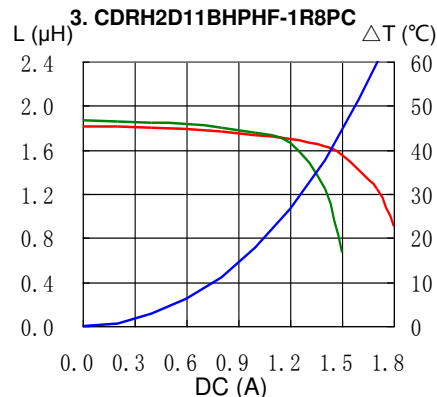
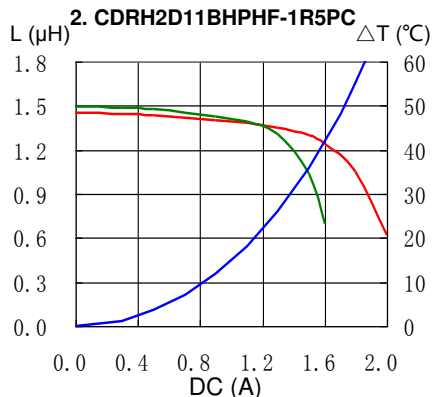
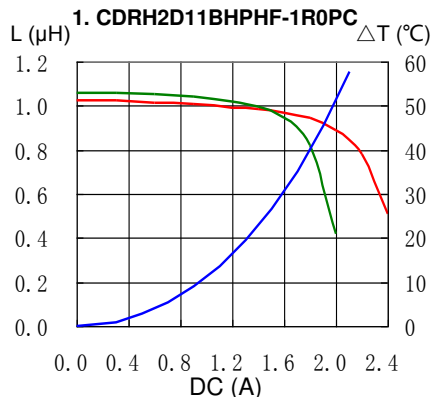
※3. Temperature rise current: The value of D.C. current when the temperature rise is $\Delta t = 40^\circ\text{C}$ ($T_a = 20^\circ\text{C}$).

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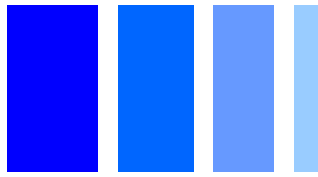


Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT

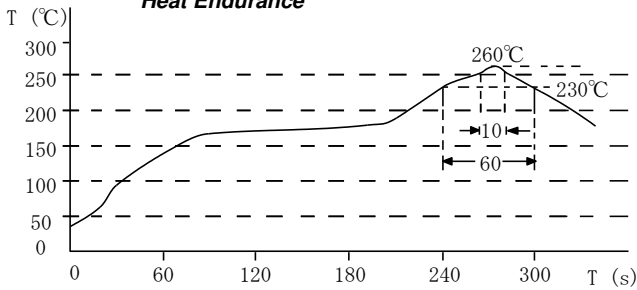


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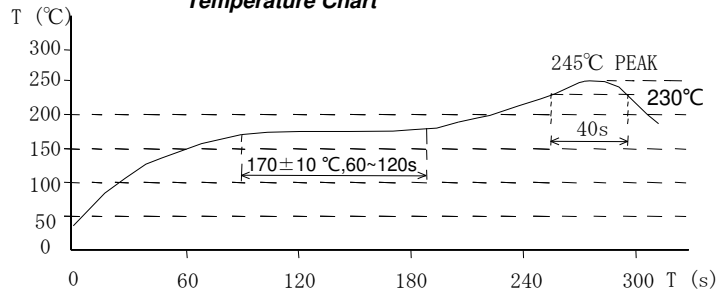


Solder Reflow Condition

Heat Endurance



Temperature Chart



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