

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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SMD Power Inductor CDRH5D14/HP



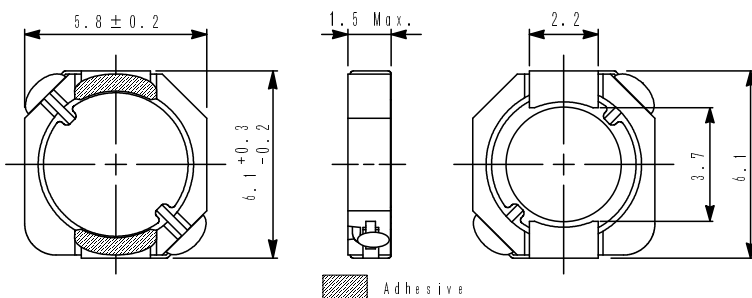
Halogen Free



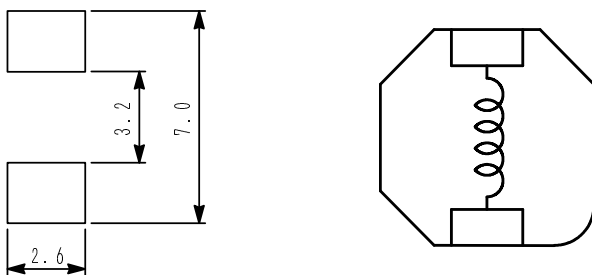
Description

- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H: 6.4 × 6.0 × 1.5 mm Max.
- Product weight: 175mg(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

Dimension - [mm]



Land pattern and Schematics - [mm]



Electrical Characteristics

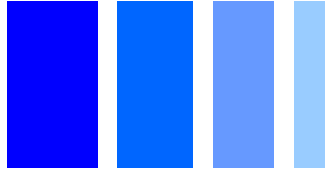
Part Name	Stamp	Inductance (μ H) [within] ※1	D.C.R. (m Ω) Max. (Typ.) (at 20°C)	Saturation Current (A) ※2		Temperature Rise Current (A) ※3
				at 20°C	at 100°C	
CDRH5D14HPNP-R32NC	R32	0.32 ± 30%	19.5(15)	6.4	5.0	4.4
CDRH5D14HPNP-R60NC	R60	0.6 ± 30%	22.5(18)	6.0	4.0	3.9
CDRH5D14HPNP-R90NC	R90	0.9 ± 30%	27.5(22)	5.0	3.2	3.5
CDRH5D14HPNP-1R4NC	1R4	1.4 ± 30%	40.3(32)	3.9	2.9	2.8
CDRH5D14HPNP-2R0NC	2R0	2.0 ± 30%	57.5(46)	3.2	2.4	2.3
CDRH5D14HPNP-3R3NC	3R3	3.3 ± 30%	96.5(77)	2.6	1.9	1.7
CDRH5D14HPNP-5R1NC	5R1	5.1 ± 30%	140(112)	2.0	1.5	1.4
CDRH5D14HPNP-7R5NC	7R5	7.5 ± 30%	210(168)	1.7	1.2	1.1
CDRH5D14HPNP-100NC	100	10 ± 30%	280(222)	1.4	1.1	0.94
CDRH5D14HPNP-120NC	120	12 ± 30%	345(275)	1.2	0.97	0.80
CDRH5D14HPNP-150NC	150	15 ± 30%	448(358)	1.1	0.85	0.70
CDRH5D14HPNP-220NC	220	22 ± 30%	670(536)	0.96	0.72	0.61

※1. Inductance measuring condition: at 100kHz.

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

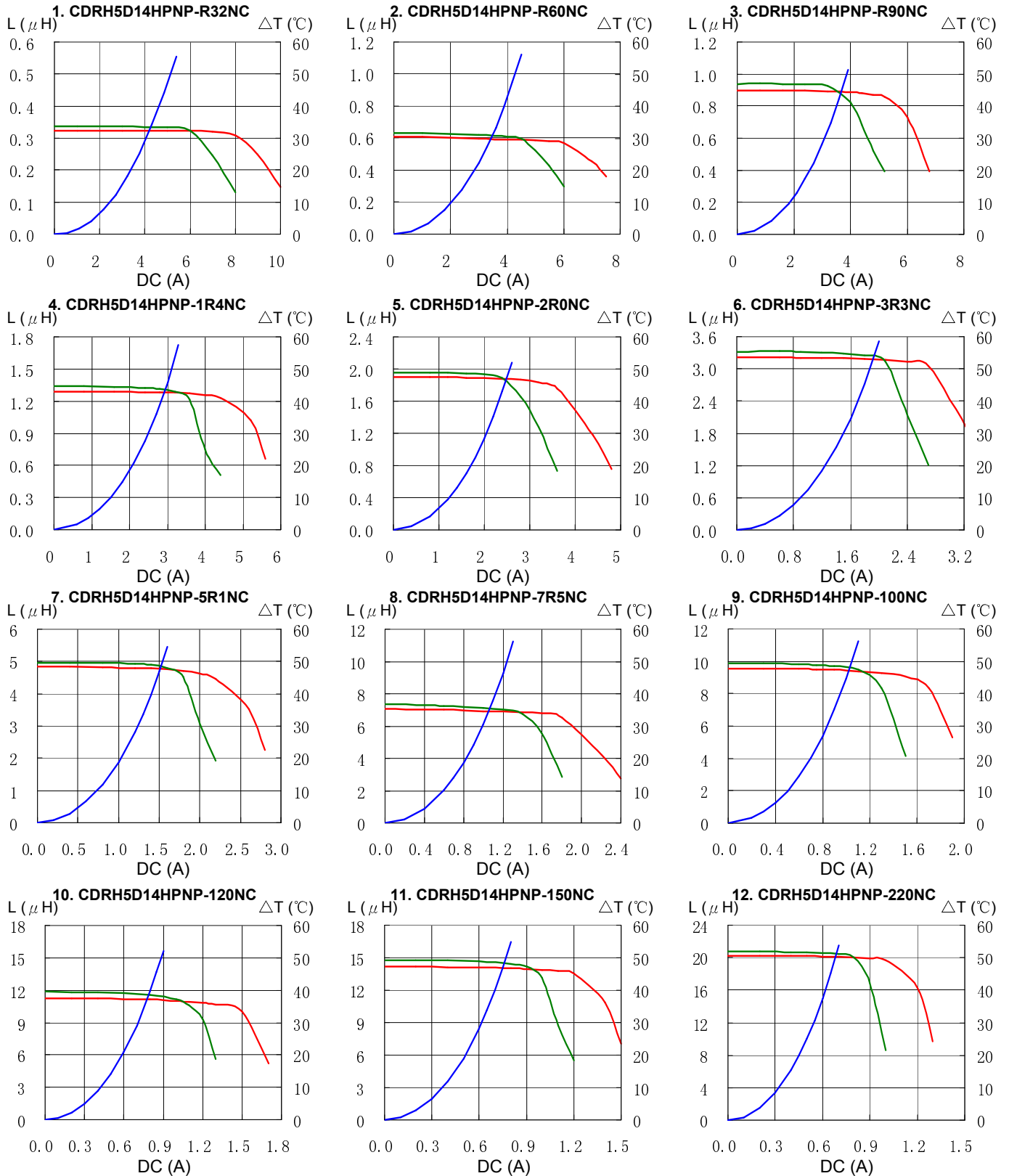
※3. Temperature rise current: The value of D.C. current when the temperature rise is $\Delta t = 40^\circ\text{C}$ ($T_a = 20^\circ\text{C}$).

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Saturation Current & Temperature Rise Graph

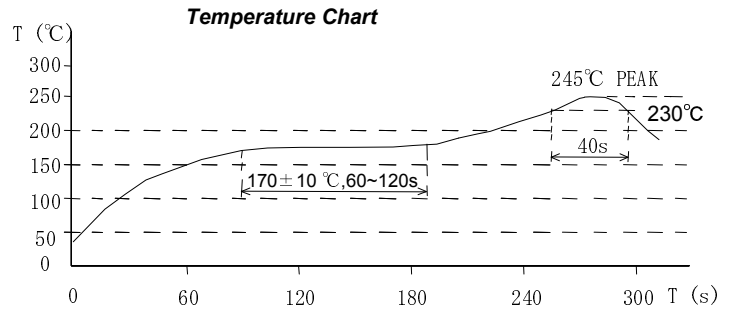
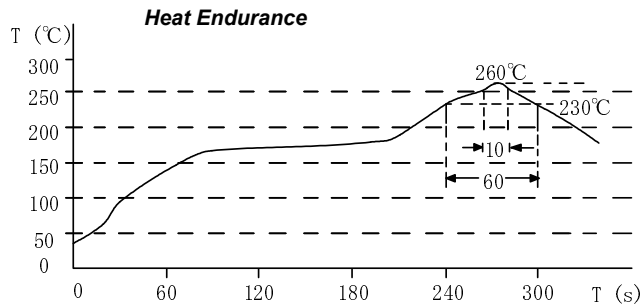
— L (20°C) — L (105°C) — ΔT



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Solder Reflow Condition



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