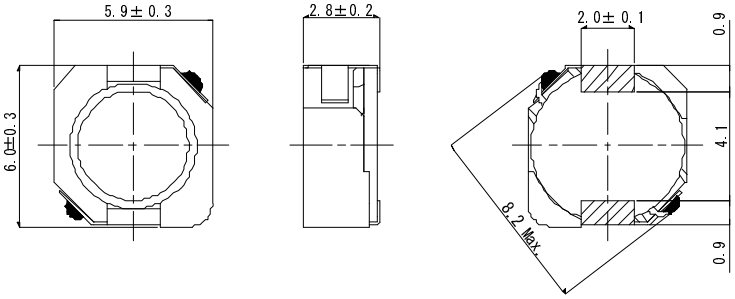
SMD Power Inductor
CDRH5D28R/H125

RoHS

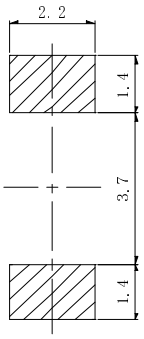
Halogen Free

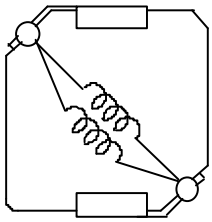


Dimension - [mm]

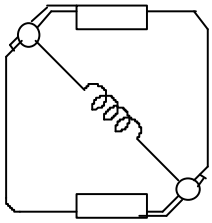


Land pattern and Schematics - [mm]





(1.0μH～10μH)



(15μH～100μH)

Description
- Ferrite drum core construction.
- Magnetically shielded.
- L×W×H: 6.3×6.2 x3.0 mm Max.
- Product weight:0.35g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.
- Qualification to AEC-Q200.

Environmental Data
- Operating temperature range: -40℃~+125℃ (including coil's self temperature rise)
- Storage temperature range: -40℃～+125℃
- Solder reflow temperature: 260 ℃ peak.

Packaging
- Carrier tape and reel packaging
- 13.0"diameter reel
- 2000pcs per reel

Applications
- Automotive and other high temperature, high reliability application.

Revised: 1-Aug-11

Electrical Characteristics

Part No.	Stamp	Inductance [μH] 100kHz	D.C.R. (mΩ) [Max.] (at 20℃)	Saturation current (A) ※1		Temperature rise current (A)※2
				(at20℃)	(at125℃) Typ.	
CDRH5D28RH125NP-1RØPC	1R0	1.0±25%	17.0(13.5)	7.10	5.60	4.10
CDRH5D28RH125NP-1R5PC	1R5	1.5±25%	20.0(16.0)	6.50	5.10	3.60
CDRH5D28RH125NP-2R4PC	2R4	2.4±25%	27.0(21.5)	5.30	4.00	3.20
CDRH5D28RH125NP-3R3PC	3R3	3.3±25%	35.5(28.5)	4.30	3.40	2.72
CDRH5D28RH125NP-4R7PC	4R7	4.7±25%	54.0(43.0)	3.70	2.89	2.20
CDRH5D28RH125NP-6R8PC	6R8	6.8±25%	77.5(62.0)	3.08	2.44	1.80
CDRH5D28RH125NP-1ØØMC	100	10±20%	121(97.0)	2.46	1.93	1.40
CDRH5D28RH125NP-15ØMC	150	15±20%	148(118)	2.08	1.63	1.24
CDRH5D28RH125NP-22ØMC	220	22±20%	266(213)	1.70	1.33	0.90
CDRH5D28RH125NP-33ØMC	330	33±20%	334(267)	1.41	1.12	0.80
CDRH5D28RH125NP-47ØMC	470	47±20%	500(400)	1.16	0.91	0.64
CDRH5D28RH125NP-68ØMC	680	68±20%	685(548)	0.95	0.74	0.54
CDRH5D28RH125NP-1Ø1MC	101	100±20%	1020(815)	0.80	0.62	0.46

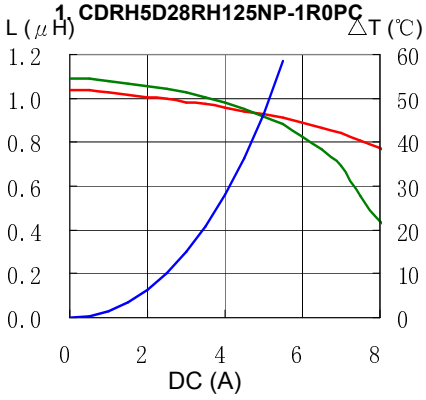
※1. Saturation current: The value of D.C. current when the inductance decreases to 65% of it's nominal value.

※2. Temperature rise current: The value of D.C. current when the temperature rise is △t=40℃(Ta=20℃).

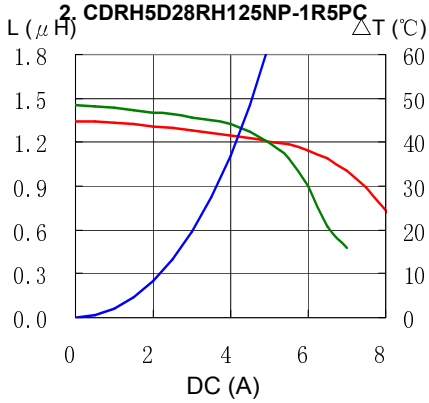
Saturation Current & Temperature Rise Graph

L (20℃) L (125℃) △T

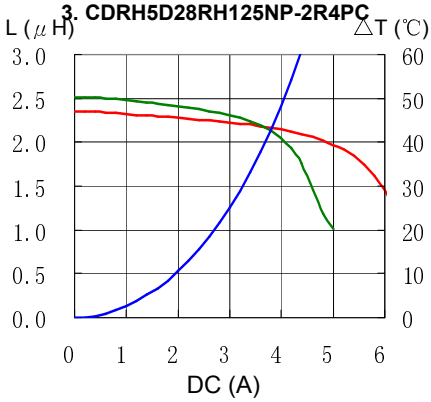
1. CDRH5D28RH125NP-1R0PC



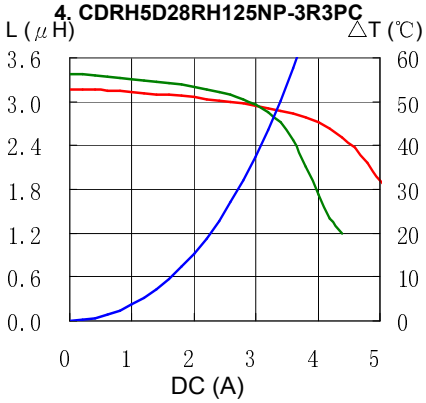
2. CDRH5D28RH125NP-1R5PC



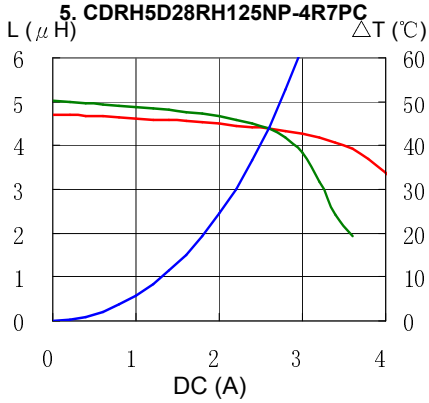
3. CDRH5D28RH125NP-2R4PC



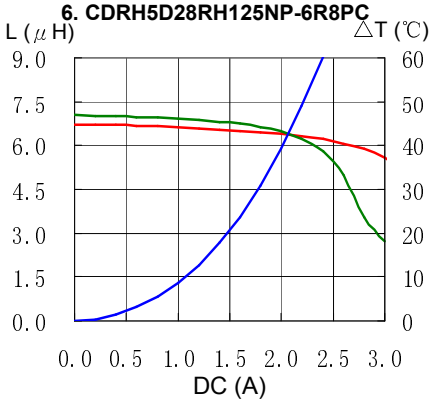
4. CDRH5D28RH125NP-3R3PC



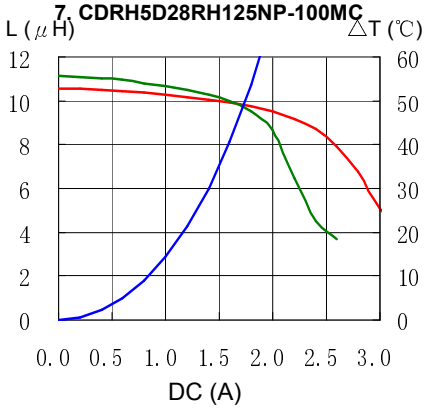
5. CDRH5D28RH125NP-4R7PC



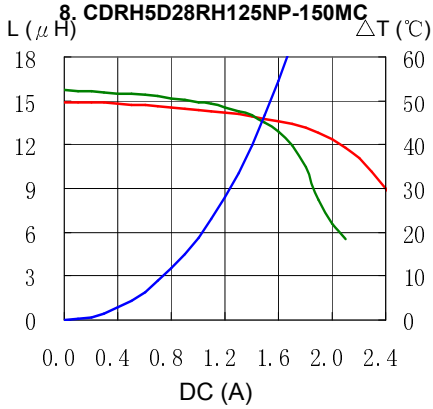
6. CDRH5D28RH125NP-6R8PC



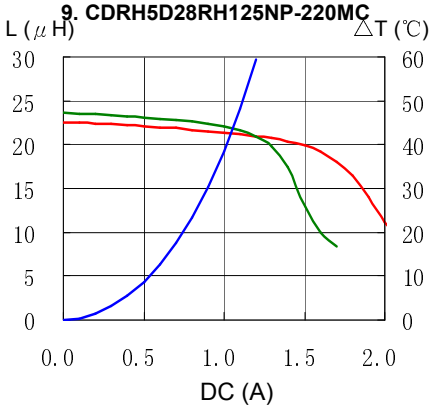
7. CDRH5D28RH125NP-100MC



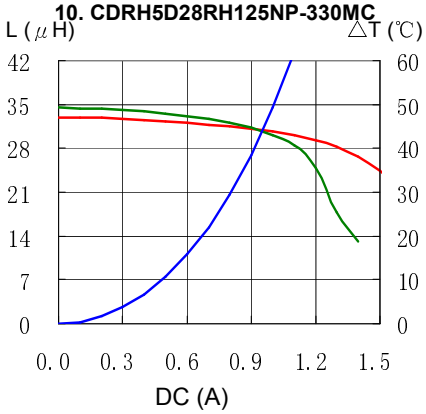
8. CDRH5D28RH125NP-150MC



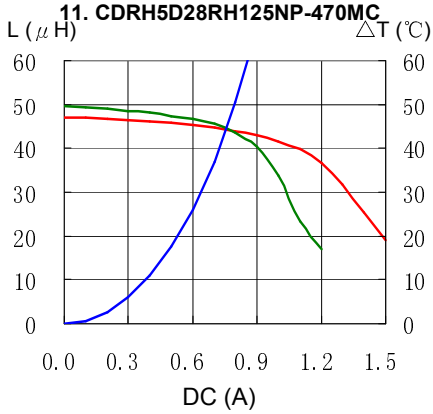
9. CDRH5D28RH125NP-220MC



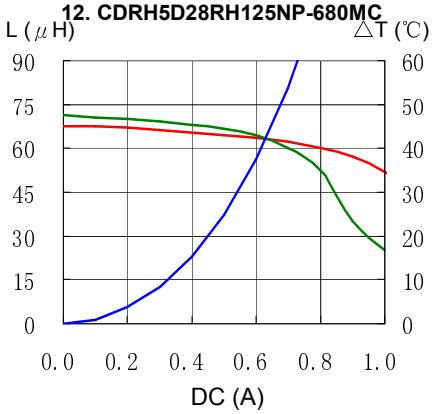
10. CDRH5D28RH125NP-330MC



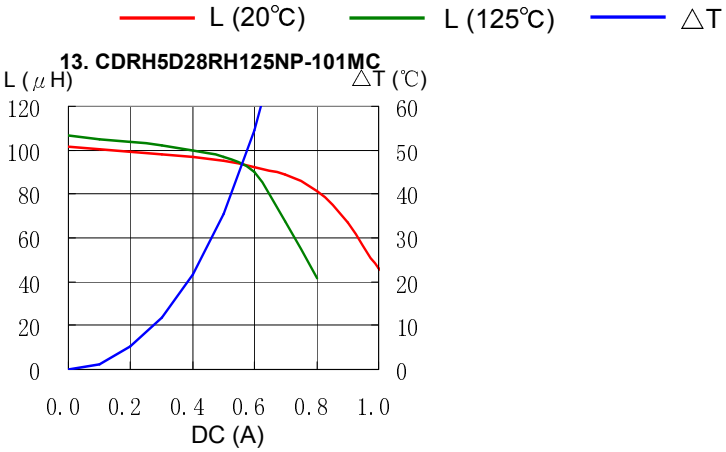
11. CDRH5D28RH125NP-470MC



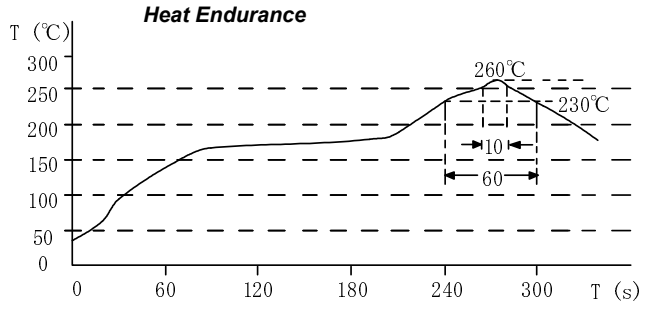
12. CDRH5D28RH125NP-680MC

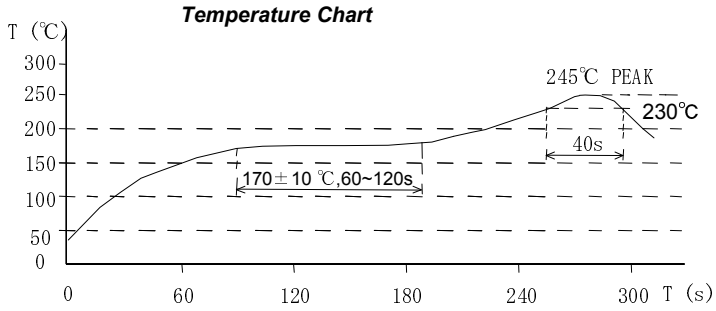


Saturation Current & Temperature Rise Graph



Solder Reflow Condition





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