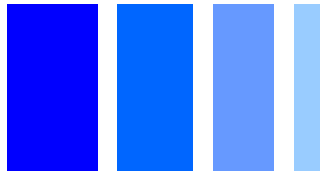


SMD Power Inductor CDRH65D43/DF



sumida

Under Development



Description

- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H: 6.8 × 6.8 × 4.5 mm Max.
- Product weight: 0.7g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

Environmental Data

- Operating temperature range: -40°C ~ +105°C (including coil's self temperature rise)
- Storage temperature range: -40°C ~ +105°C
- Solder reflow temperature: 260 °C peak.

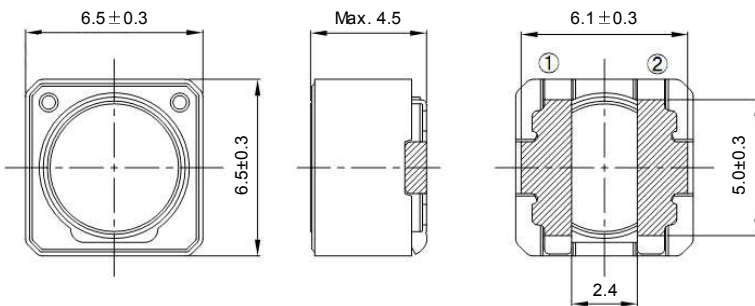
Packaging

- Carrier tape and reel packaging

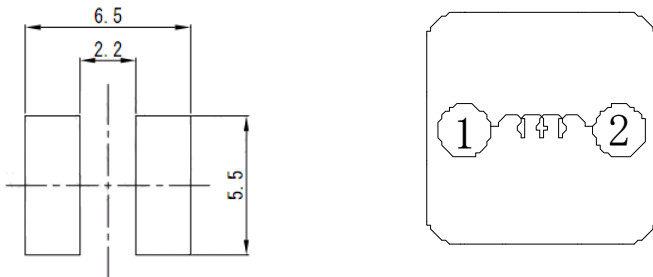
Applications

- Ideally used in D Class Amplifiers .

Dimension - [mm]



Land pattern and Schematics - [mm]



Electrical Characteristics

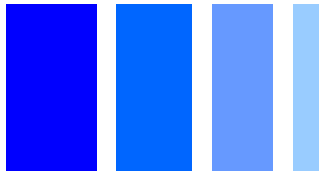
Part No.	Stamp	Inductance (μ H) ※1	D.C.R. (m Ω) Max. (Typ.) (at 20°C)	Saturation Current (A) ※2	Temperature Rise Current (A) ※3
CDRH65D43DFNP-100NC	A	10 ± 25%	50(42)	2.80	2.80
CDRH65D43DFNP-150NC	B	15 ± 25%	96(80)	2.30	1.85
CDRH65D43DFNP-220NC	C	22 ± 25%	150(125)	1.80	1.55
CDRH65D43DFNP-330NC	D	33 ± 25%	228(190)	1.50	1.30

※1. Inductance measuring condition: at 100kHz.

※2. Saturation current: The value of D.C. current when the inductance decreases to 80% of it's nominal value.

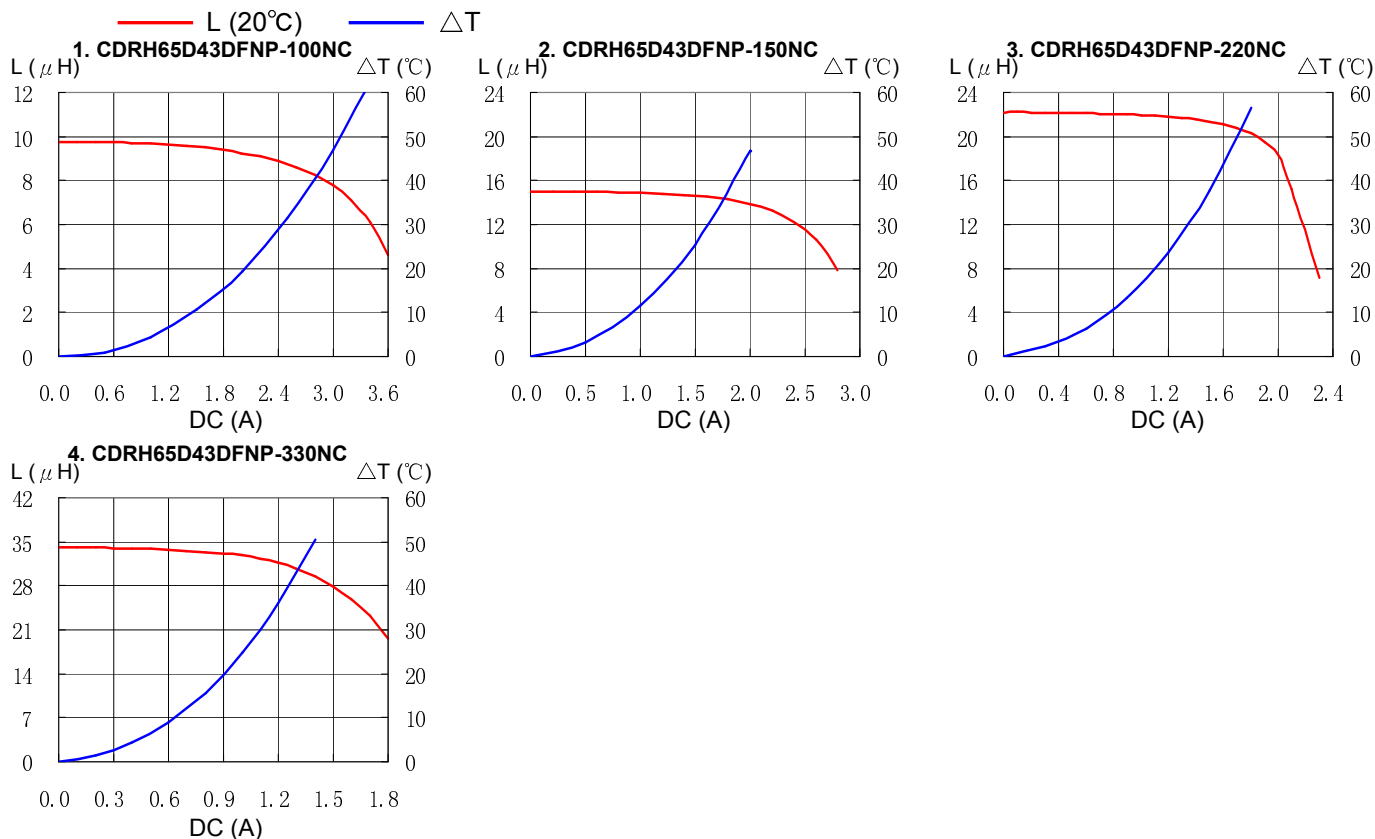
※3. Temperature rise current: The value of D.C. current when the temperature rise is $\Delta t = 40^\circ\text{C}$ ($T_a = 20^\circ\text{C}$).

SMD Power Inductor CDRH65D43/DF

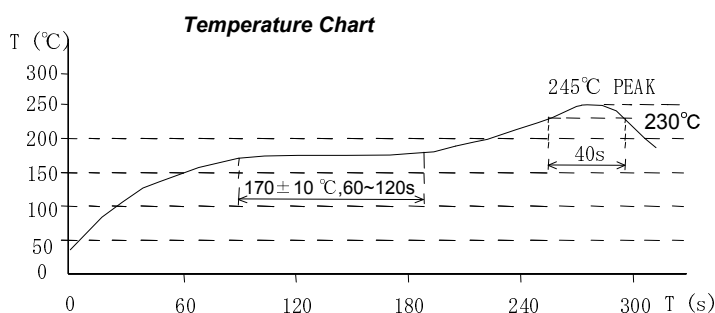
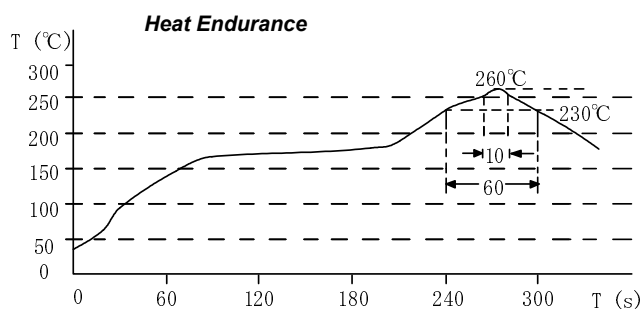


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Saturation Current & Temperature Rise Graph



Solder Reflow Condition



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