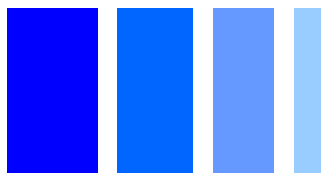


SMD Power Inductor CDR25D07/LA



sumida

Under Development



**Halogen
Free**



Description

- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H: 2.71 × 2.71 × 0.8 mm Max.
- Product weight: 0.02g(Ref.)
- Moisture Sensitivity Level: 1
- Special design to improve ACR, operating frequency up to 6MHz.
- RoHS compliance.
- Halogen Free available.

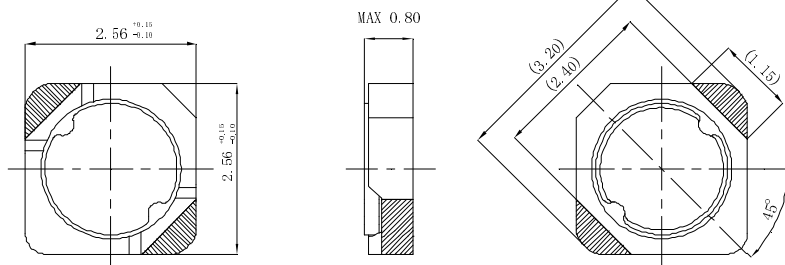
Environmental Data

- 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.

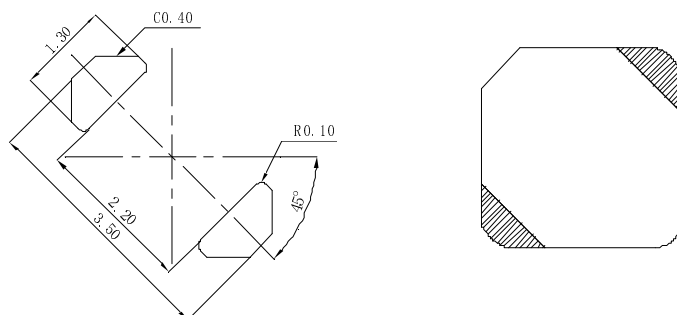
Packaging

- Carrier tape and reel packaging

Dimension - [mm]



Land pattern and Schematics - [mm]



Applications

- Ideally used in MP3/MP4, smart phone, PDA, DSC/DVC, etc.

Electrical Characteristics

Part name	Stamp	Inductance (μ H) [Within] ※1	D.C.R. (m Ω) [Within] (at 20°C)	Saturation current (A) ※2 (at 20°C)	Temperature rise current (A) ※3 Δ T=40°C
CDR25D07LANP-R68PC	A	0.68 ± 25%	53 ± 25%	0.78	1.58
CDR25D07LANP-1R0PC	B	1.0 ± 25%	104 ± 20%	0.64	0.98
CDR25D07LANP-1R5PC	C	1.5 ± 25%	136 ± 20%	0.53	0.87
CDR25D07LANP-2R2PC	D	2.2 ± 25%	202 ± 20%	0.45	0.66
CDR25D07LANP-3R3MC	E	3.3 ± 20%	331 ± 20%	0.37	0.49
CDR25D07LANP-4R7MC	F	4.7 ± 20%	391 ± 20%	0.31	0.45

※1. Measuring condition: at 1MHz.

※2. Saturation current: The value of D.C. current when the inductance decreases to 70% of it's nominal value.

※3. Temperature rise current: The value of D.C. current when the temperature rise is Δ t=40°C (Ta=20°C).

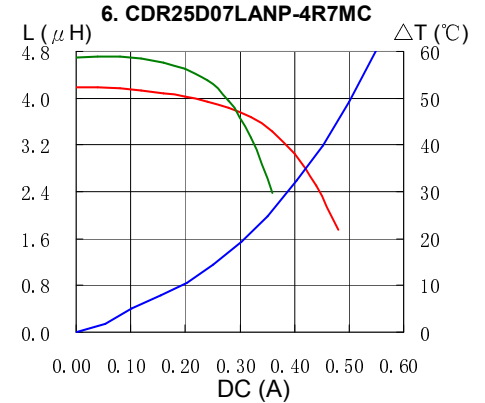
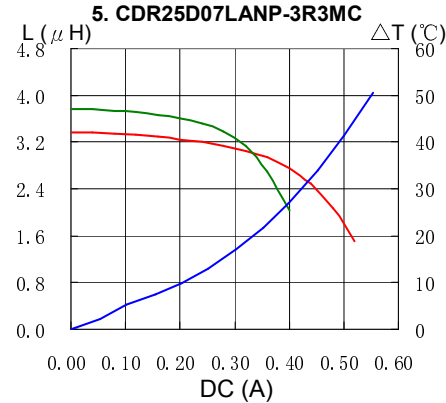
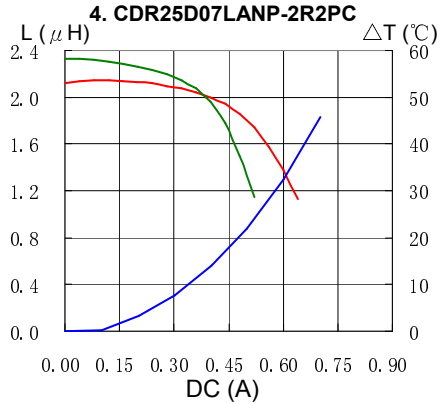
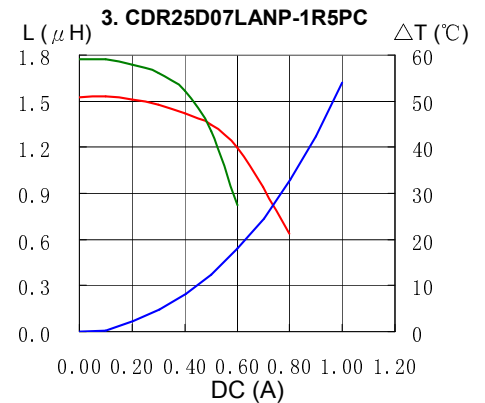
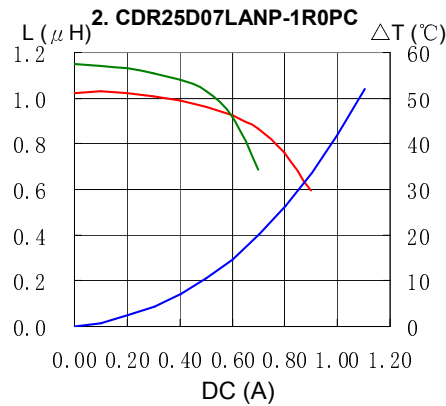
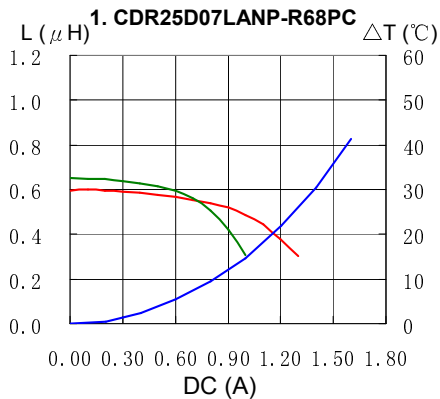
SMD Power Inductor CDR25D07/LA



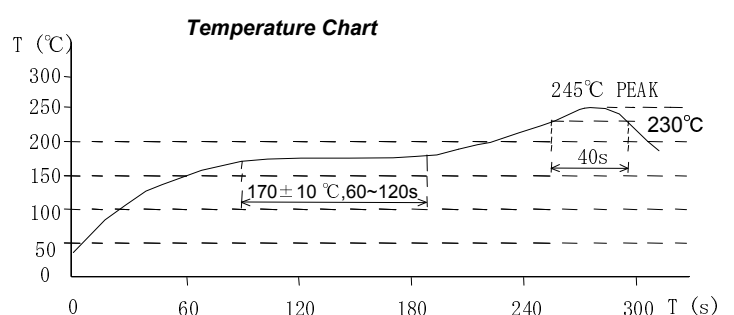
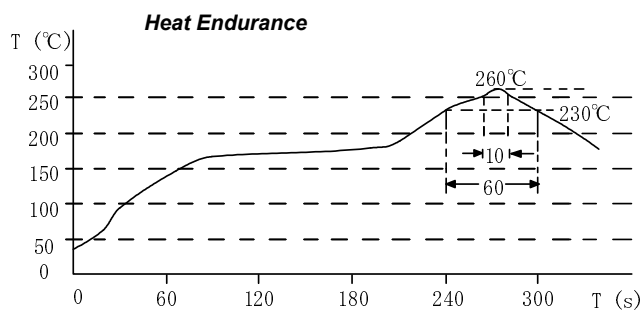
Under Development

Saturation Current & Temperature Rise Graph

— L (20°C) — L (105°C) — ΔT



Solder Reflow Condition



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