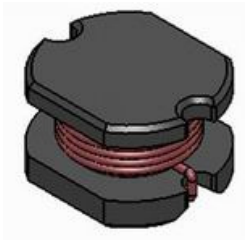
SMD Power Inductor
CD30D22

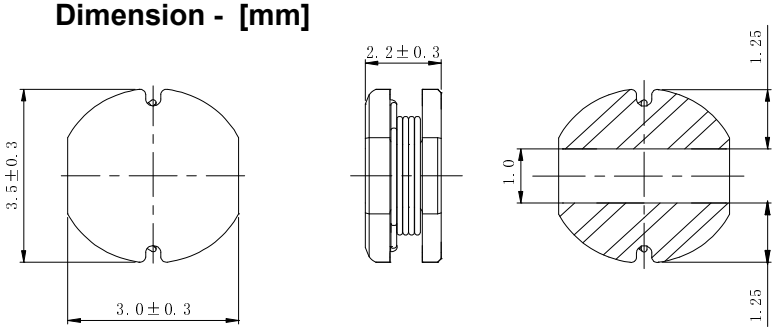
RoHS

Halogen Free



Description
- Ferrite drum core construction.
- Magnetically unshielded.
- L × W × H:3.8 × 3.3 × 2.5mm Max.
- Product weight :0.07g (Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.
- Halogen Free available.

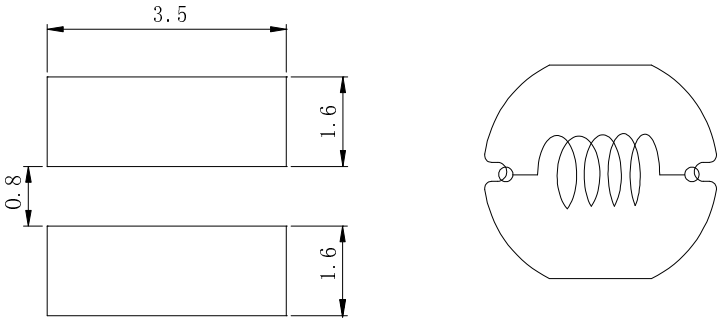
Dimension - [mm]



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
- 3000pcs per reel

Land pattern and Schematics - [mm]



Applications
- Ideally used in Mobilephone,PDA,MP3, DSC/DVC, portable DVD etc as DC-DC Converter inductors.

Revised: 30-Jul-15

SMD Power Inductor
CD30D22

Electrical Characteristics

Part No.	Stamp	Inductance [μH] [Within] ※1	D.C.R. (Ω) [Max.] (Typ.) (at 25℃)	Saturation current (A) [Max.] (Typ.) (at 25℃) ※2	Temperature rise current (A) ※3
CD30D22HF-1R0MC	B	1.0±20%	35.9m (28.7m)	3.36 (4.20)	3.46
CD30D22HF-1R5MC	C	1.5±20%	48.7m (38.9m)	2.80 (3.50)	3.00
CD30D22HF-2R2MC	D	2.2±20%	69.4m (55.5m)	2.08 (2.60)	2.00
CD30D22HF-3R3MC	E	3.3±20%	111m (88.7m)	1.76 (2.20)	1.56
CD30D22HF-4R7MC	F	4.7±20%	140m (112m)	1.49 (1.86)	1.42
CD30D22HF-5R6MC	G	5.6±20%	153m (122m)	1.36 (1.70)	1.35
CD30D22HF-6R8MC	H	6.8±20%	172m (137m)	1.28 (1.60)	1.28
CD30D22HF-8R2MC	J	8.2±20%	265m (212m)	1.14 (1.42)	0.97
CD30D22HF-100MC	K	10±20%	313m (250m)	1.02 (1.28)	0.95
CD30D22HF-120MC	L	12±20%	338m (270m)	0.96 (1.20)	0.91
CD30D22HF-150MC	M	15±20%	388m (310m)	0.83 (1.04)	0.83
CD30D22HF-180MC	N	18±20%	507m (405m)	0.80 (1.00)	0.70
CD30D22HF-220MC	P	22±20%	643m (514m)	0.69 (0.86)	0.66
CD30D22HF-270MC	Q	27±20%	730m (584m)	0.65 (0.81)	0.58
CD30D22HF-330MC	R	33±20%	915m (732m)	0.57 (0.71)	0.49
CD30D22HF-390MC	S	39±20%	1.07 (851m)	0.51 (0.64)	0.48
CD30D22HF-470MC	T	47±20%	1.23 (980m)	0.49 (0.62)	0.39
CD30D22HF-680MC	U	68±20%	1.82 (1.51)	0.41 (0.51)	0.37
CD30D22HF-101MC	V	100±20%	2.79 (2.32)	0.33 (0.41)	0.30
CD30D22HF-151MC	X	150±20%	4.62 (3.85)	0.26 (0.33)	0.22
CD30D22HF-221MC	Y	220±20%	5.94 (4.95)	0.23 (0.29)	0.19

※1 Measuring frequency: 100 kHz 1V
※2 Saturation current: This indicates the value of D.C. current when the inductance becomes 10% lower than its initial value.
※3 Temperature rise current: The actual value of D.C. current when the temperature of coil becomes △T=40℃ (Ta＝20℃).

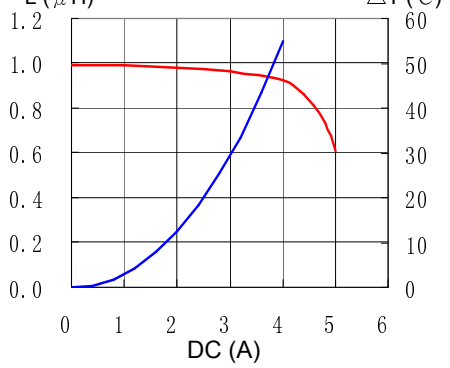
Revised: 30-Jul-15

SMD Power Inductor
CD30D22

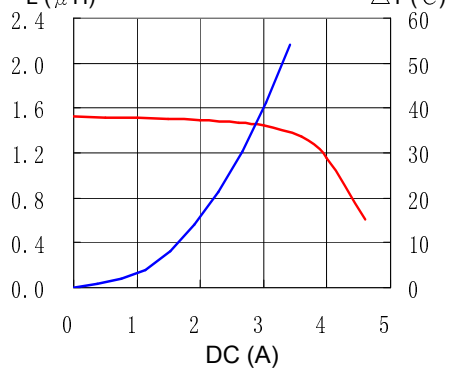
Saturation Current & Temperature Rise Graph

L (25℃) △T

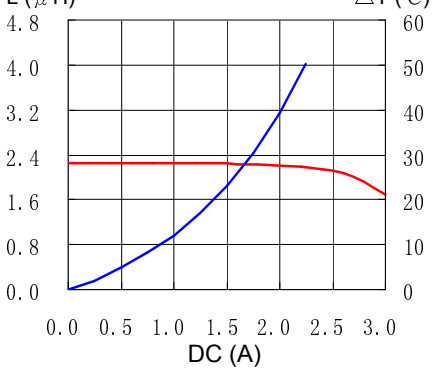
1. CD30D22HF-1R0MC



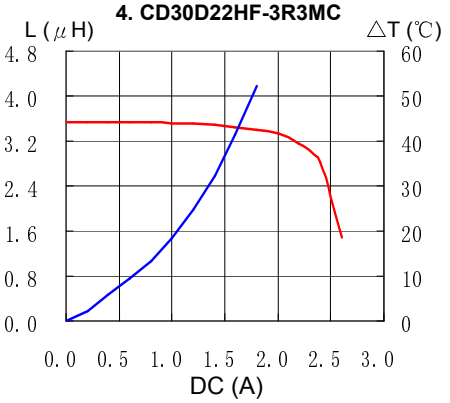
2. CD30D22HF-1R5MC



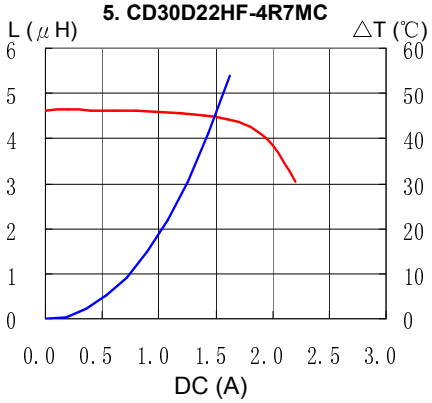
3. CD30D22HF-2R2MC



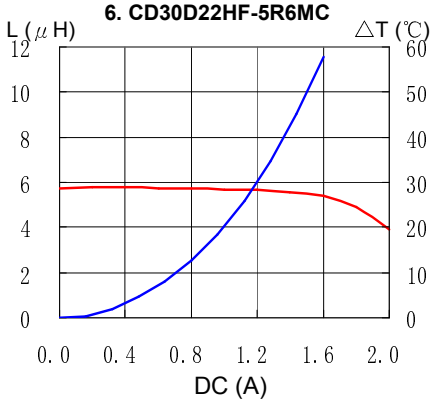
4. CD30D22HF-3R3MC



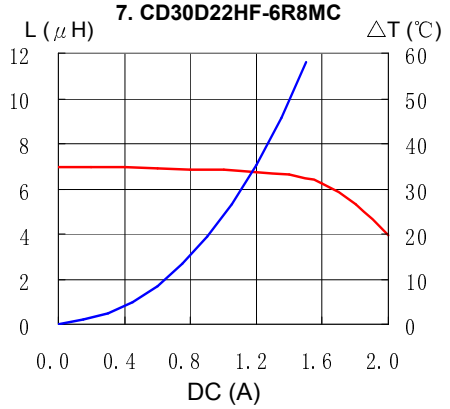
5. CD30D22HF-4R7MC



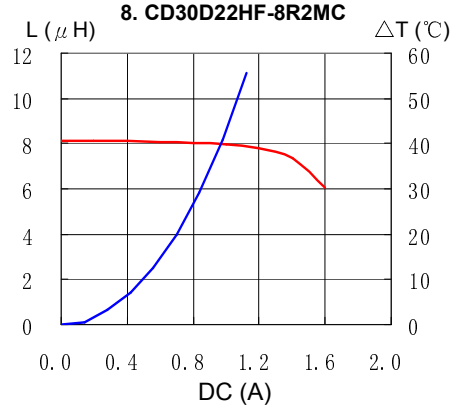
6. CD30D22HF-5R6MC



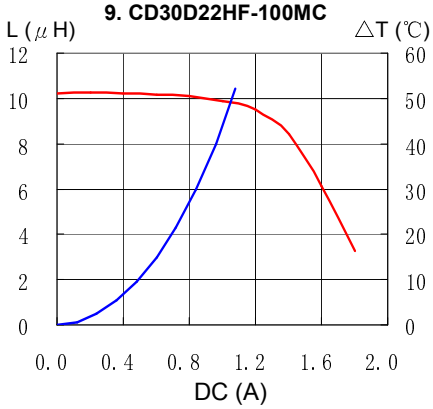
7. CD30D22HF-6R8MC



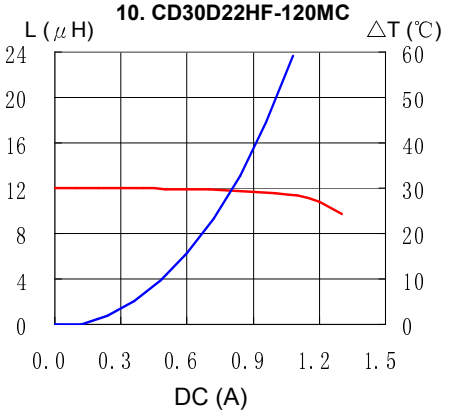
8. CD30D22HF-8R2MC



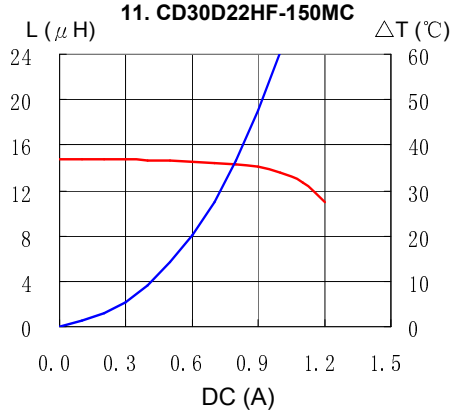
9. CD30D22HF-100MC



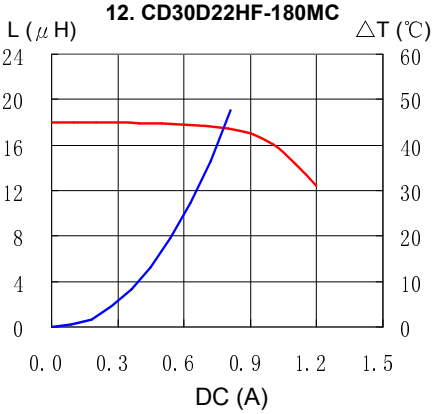
10. CD30D22HF-120MC



11. CD30D22HF-150MC



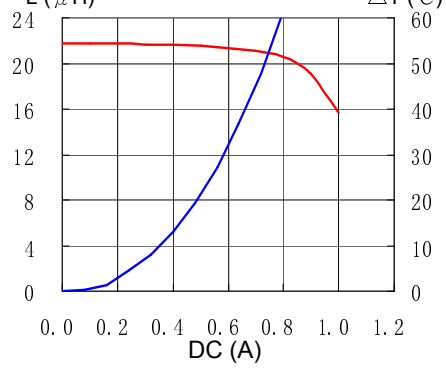
12. CD30D22HF-180MC



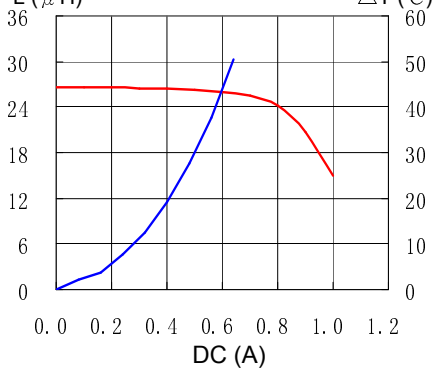
Saturation Current & Temperature Rise Graph

L (25℃) △T

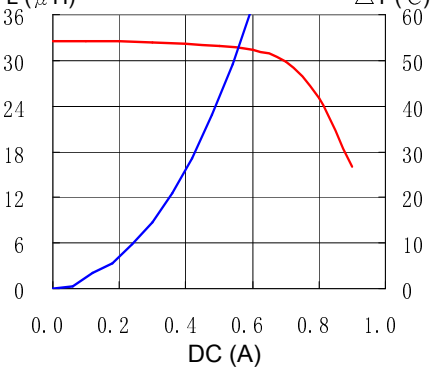
13. CD30D22HF-220MC



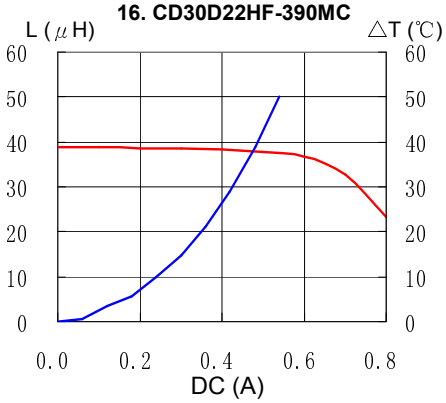
14. CD30D22HF-270MC



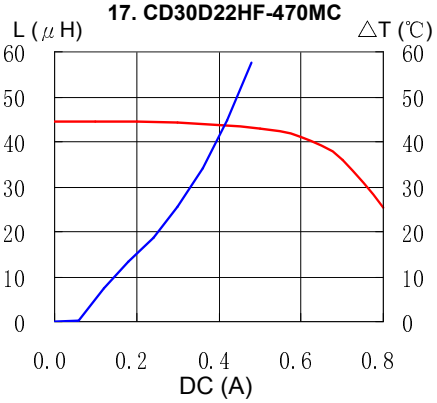
15. CD30D22HF-330MC



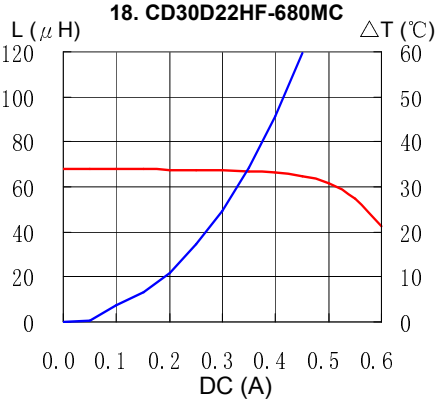
16. CD30D22HF-390MC



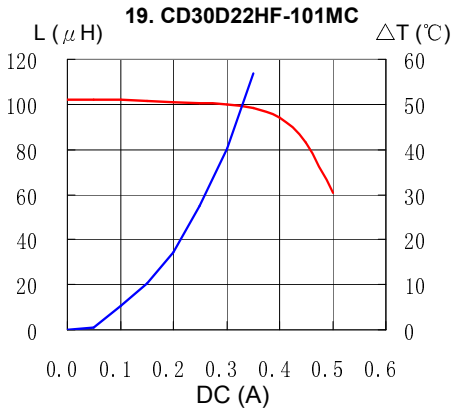
17. CD30D22HF-470MC



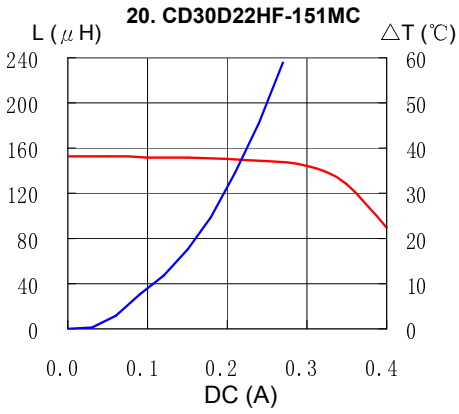
18. CD30D22HF-680MC



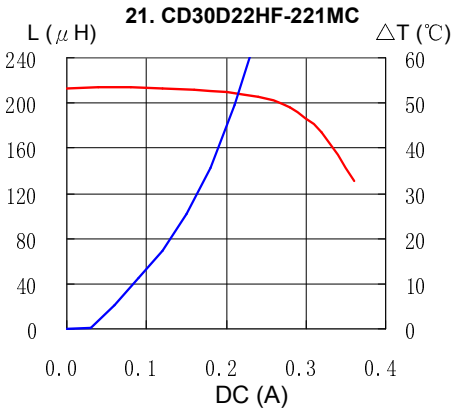
19. CD30D22HF-101MC



20. CD30D22HF-151MC

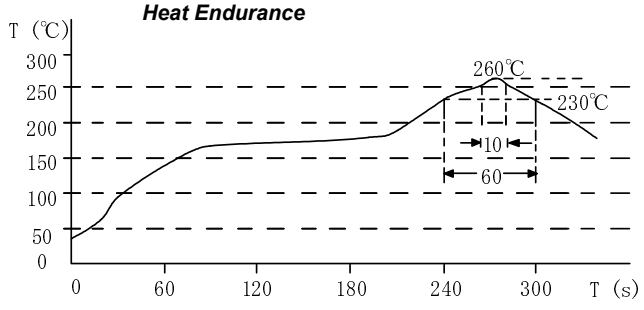


21. CD30D22HF-221MC

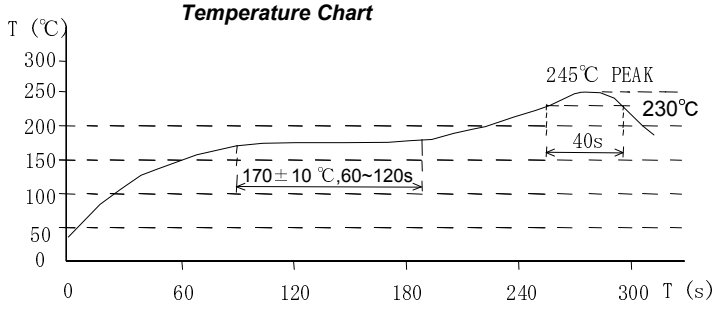


Solder Reflow Condition

Heat Endurance



Temperature Chart



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