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.

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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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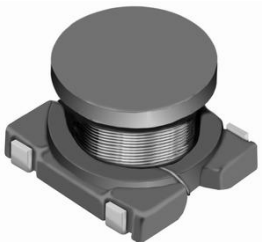
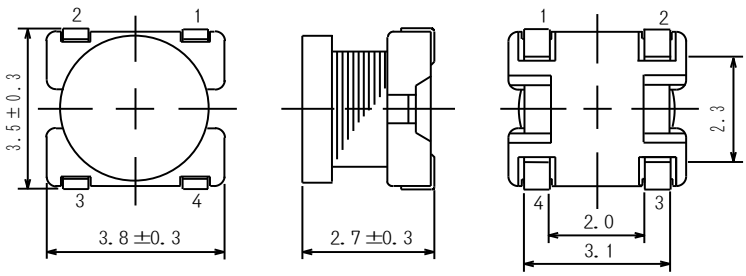
Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

SMD Power Inductor
CR32

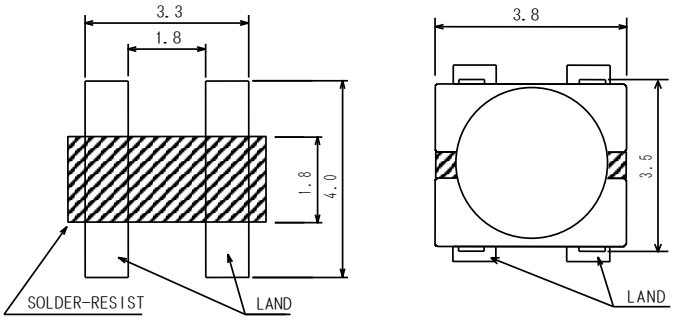
RoHS

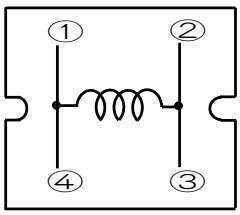


Dimension - [mm]



Land pattern and Schematics - [mm]





Description
- Ferrite drum core construction.
- Magnetically unshielded.
- L × W × H: 4.1 × 3.8 × 3.0 mm Max.
- Product weight: 85mg(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.

Environmental Data
- Operating temperature range: -40℃～+100℃ (including coil's self temperature rise)
- Storage temperature range: -40℃～+100℃
- Solder reflow temperature: 260 ℃ peak.

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

Applications
- Ideally used in A/V equipment, LCD TV, DSC/DVC, Game Machine, DVC, HDD, Notebook PC, etc as DC-DC converter inductors.

Revised: 10-Jan-17

Electrical Characteristics

Part Name	Stamp	Inductance (μH) [within] ※1	D.C.R. (mΩ) [Max.] at 20℃	Rated Current (mA) ※2
CR32NP-1R0MC	A	1.0 ± 20%	72	2100
CR32NP-1R2MC	B	1.2 ± 20%	78	1700
CR32NP-1R5MC	C	1.5 ± 20%	85	1500
CR32NP-1R8MC	D	1.8 ± 20%	91	1320
CR32NP-2R2MC	E	2.2 ± 20%	104	1280
CR32NP-2R7MC	F	2.7 ± 20%	111	1240
CR32NP-3R3MC	G	3.3 ± 20%	137	1180
CR32NP-3R9MC	H	3.9 ± 20%	143	1150
CR32NP-4R7MC	J	4.7 ± 20%	170	1040
CR32NP-5R6MC	K	5.6 ± 20%	176	1000
CR32NP-6R8MC	L	6.8 ± 20%	202	880
CR32NP-7R4MC	M	7.4 ± 20%	215	840
CR32NP-8R2MC	N	8.2 ± 20%	228	780
CR32NP-100KC	A	10 ± 10%	230	760
CR32NP-120KC	B	12 ± 10%	270	685
CR32NP-150KC	C	15 ± 10%	310	635
CR32NP-180KC	D	18 ± 10%	410	525
CR32NP-220KC	E	22 ± 10%	470	500
CR32NP-270KC	F	27 ± 10%	660	405
CR32NP-330KC	G	33 ± 10%	760	380
CR32NP-390KC	H	39 ± 10%	850	355
CR32NP-470KC	J	47 ± 10%	970	330
CR32NP-560KC	K	56 ± 10%	1250	290
CR32NP-680KC	L	68 ± 10%	1450	275
CR32NP-820KC	M	82 ± 10%	1850	235
CR32NP-101KC	N	100 ± 10%	2200	220
CR32NP-121KC	P	120 ± 10%	2900	185
CR32NP-151KC	Q	150 ± 10%	3400	170
CR32NP-181KC	R	180 ± 10%	3900	165
CR32NP-221KC	S	220 ± 10%	4500	155
CR32NP-271KC	T	270 ± 10%	6000	135
CR32NP-331KC	U	330 ± 10%	7000	125
CR32NP-391KC	V	390 ± 10%	7800	115

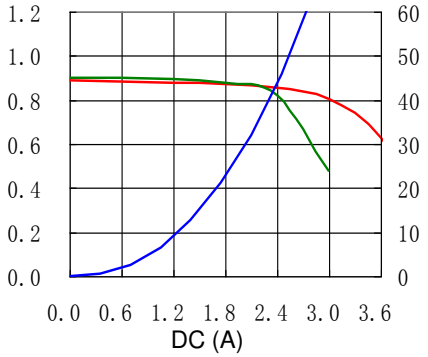
※1.Inductance measuring frequency: 1.0μH ～ 8.2μH ; at 7.96 MHz
10μH ～ 390μH ; at 100 kHz

※2. Rated current: The D.C. current at which the inductance decreases to 90% of it's initial value or when △t=40℃, whichever is lower (Ta=20℃).

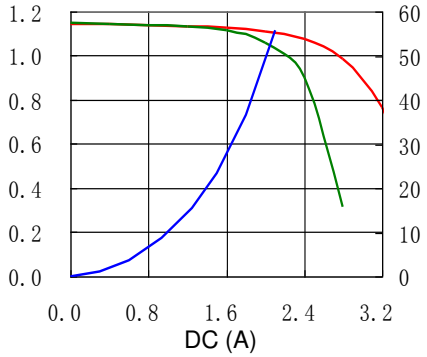
Saturation Current & Temperature Rise Graph

L (20℃) L (100℃) △T

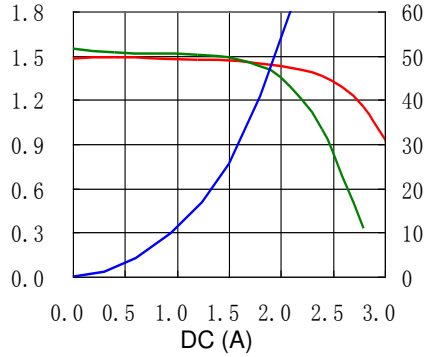
1. CR32NP-1R0MC



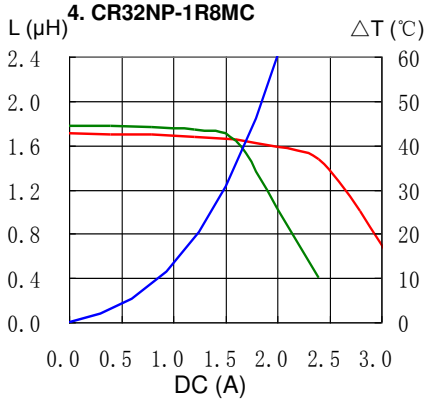
2. CR32NP-1R2MC



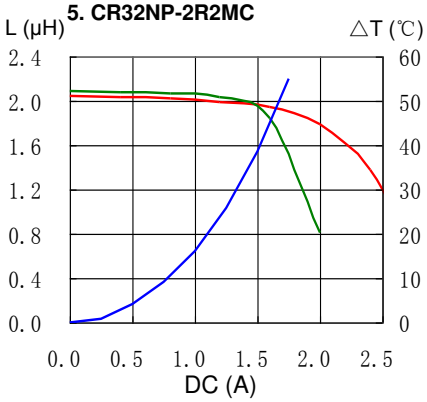
3. CR32NP-1R5MC



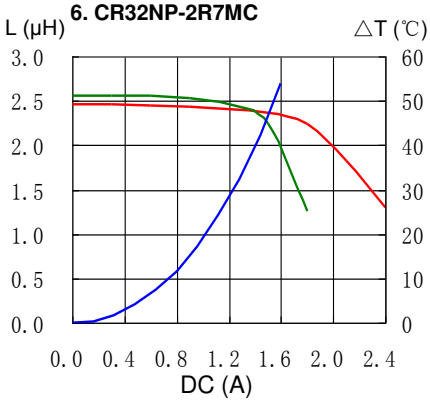
4. CR32NP-1R8MC



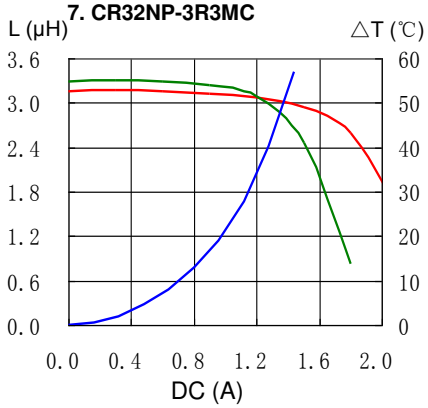
5. CR32NP-2R2MC



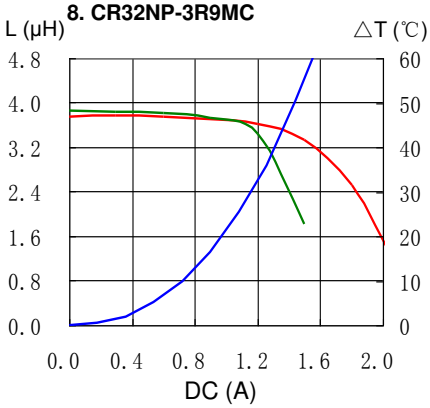
6. CR32NP-2R7MC



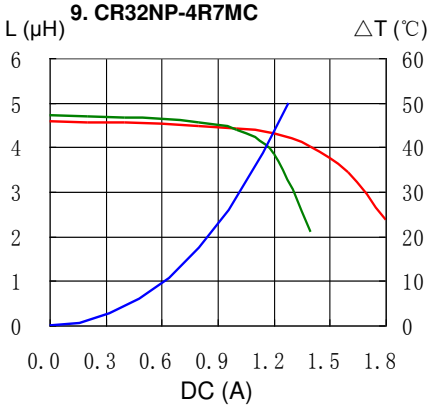
7. CR32NP-3R3MC



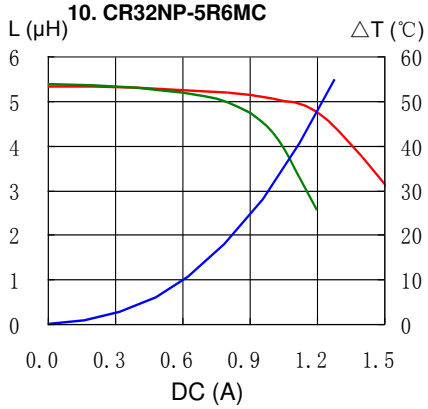
8. CR32NP-3R9MC



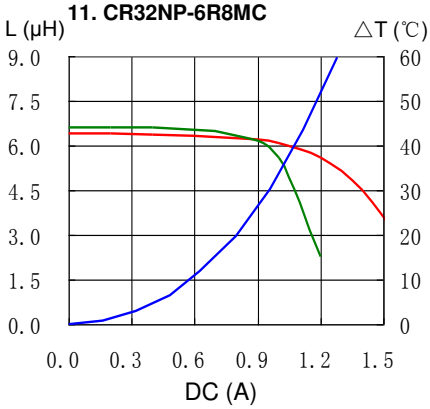
9. CR32NP-4R7MC



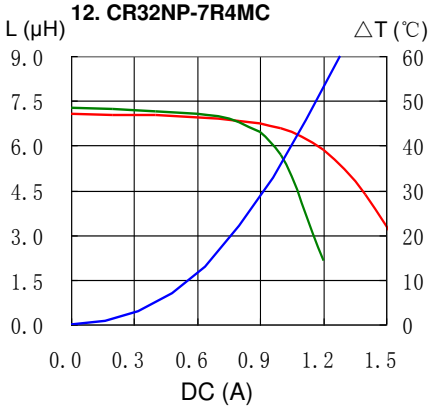
10. CR32NP-5R6MC



11. CR32NP-6R8MC



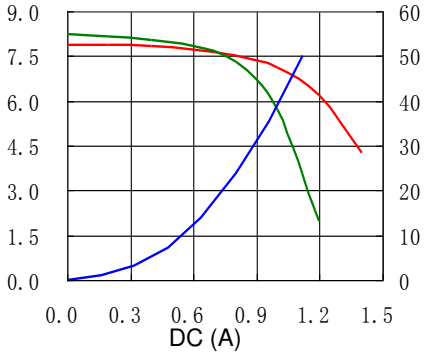
12. CR32NP-7R4MC



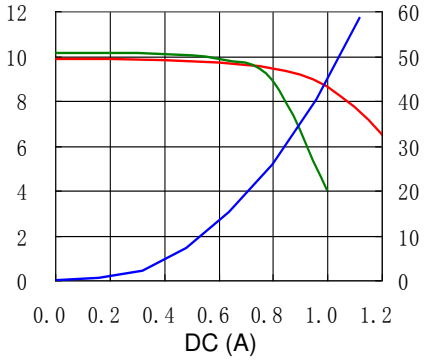
Saturation Current & Temperature Rise Graph

L (20℃) L (100℃) △T

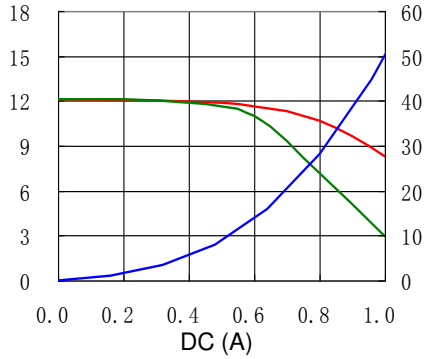
13. CR32NP-8R2MC



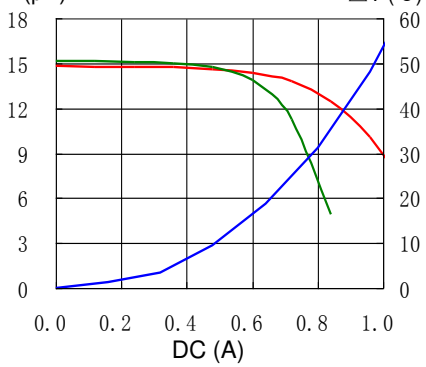
14. CR32NP-100KC



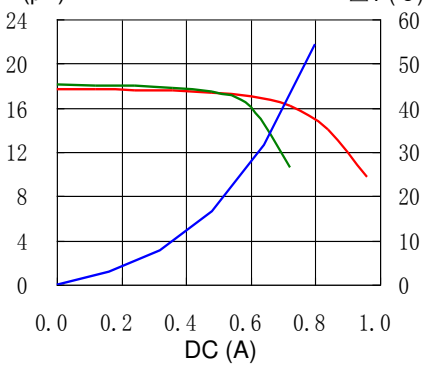
15. CR32NP-120KC



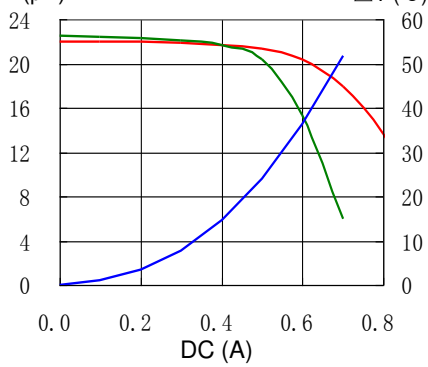
16. CR32NP-150KC



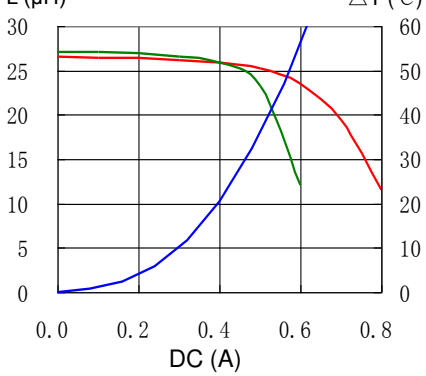
17. CR32NP-180KC



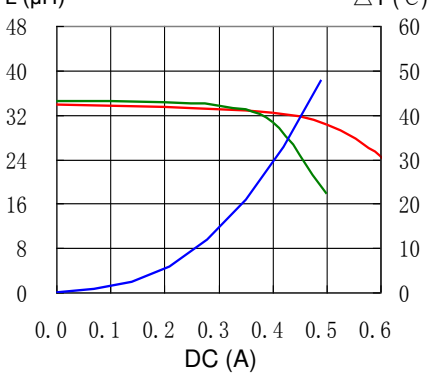
18. CR32NP-220KC



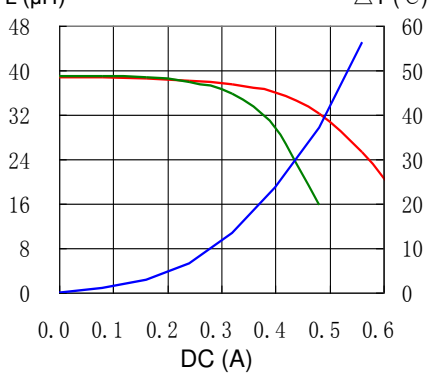
19. CR32NP-270KC



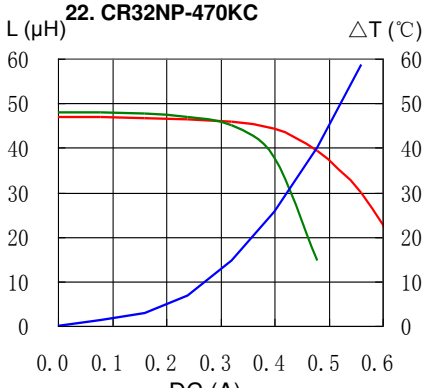
20. CR32NP-330KC



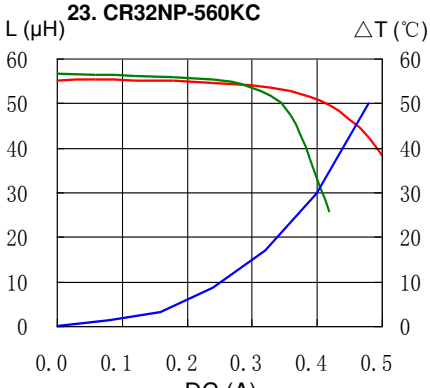
21. CR32NP-390KC



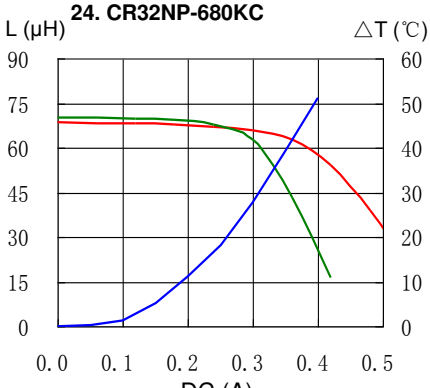
22. CR32NP-470KC



23. CR32NP-560KC



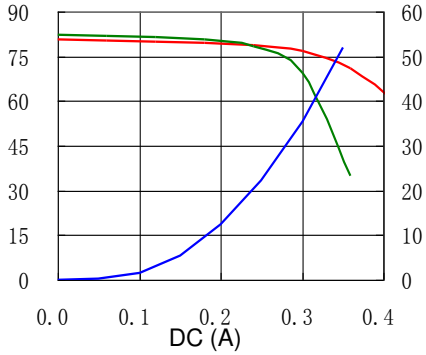
24. CR32NP-680KC



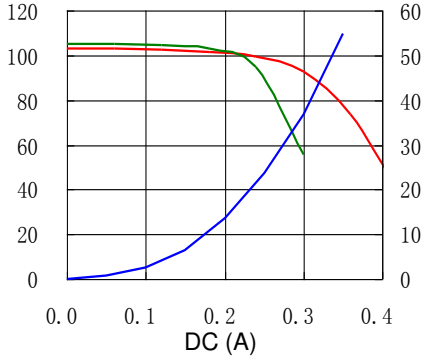
Saturation Current & Temperature Rise Graph

L (20℃) L (100℃) △T

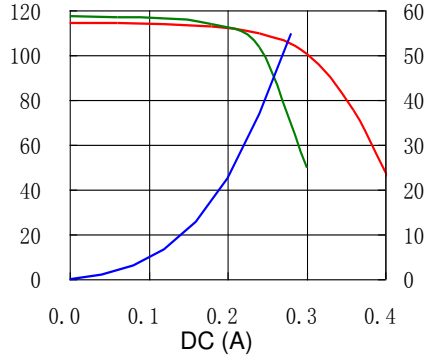
25. CR32NP-820KC



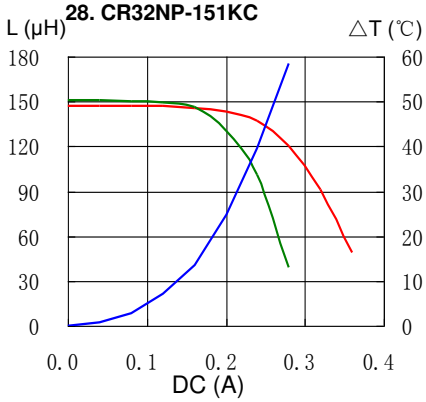
26. CR32NP-101KC



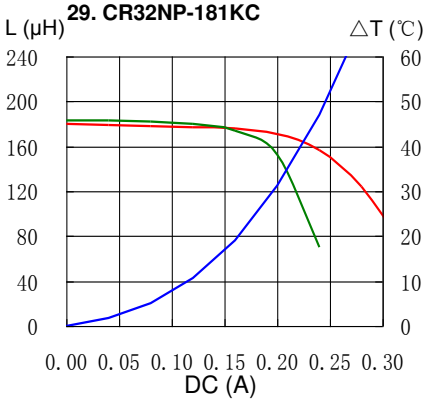
27. CR32NP-121KC



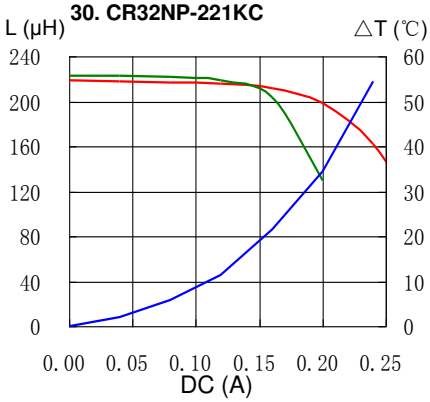
28. CR32NP-151KC



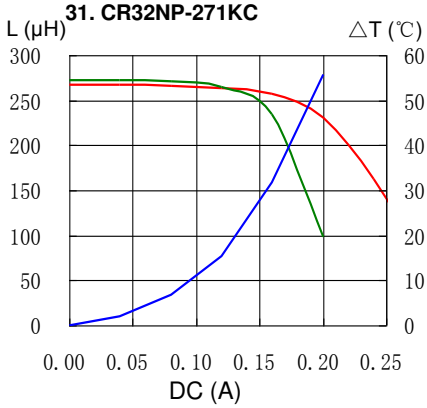
29. CR32NP-181KC



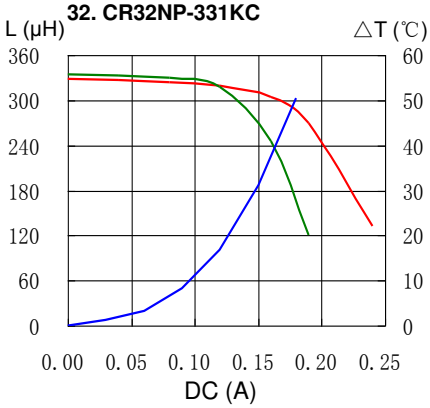
30. CR32NP-221KC



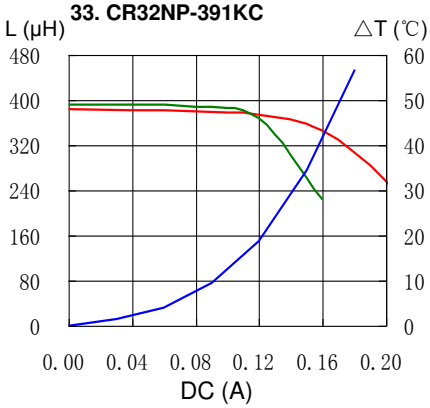
31. CR32NP-271KC



32. CR32NP-331KC

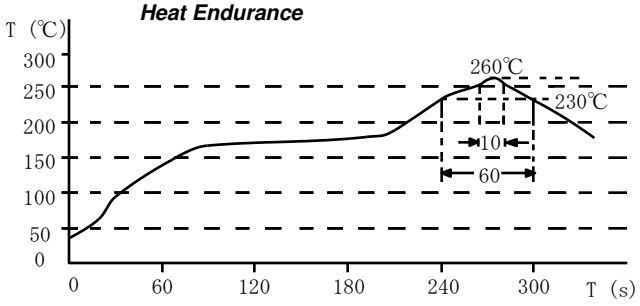


33. CR32NP-391KC

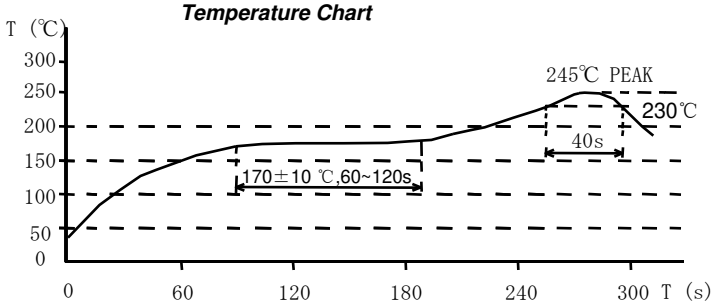


Solder Reflow Condition

Heat Endurance



Temperature Chart



Please refer to the sales offices on our website - http://www.sumida.com

Hong Kong
Tel.+852-2880-6781
FAX.+852-2565-9600
sales@hk.sumida.com

Shanghai
Tel.+86-21-5836-3299
FAX.+86-21-5836-3266
shanghai.sales@cn.sumida.com

Shenzhen
Tel.+86-755-8291-0228
FAX.+86-755-8291-0338
shenzhen.sales@cn.sumida.com

Taipei
Tel.+886-2-8751-2737
FAX.+886-2-8751-2738
sales@tw.sumida.com

Saitama(Japan)
Tel.+81-48-691-7300
FAX.+81-48-691-7340
sales@jp.sumida.com

Seoul
Tel.+82-2-6237-0777
FAX.+82-2-6237-0778
sales@kr.sumida.com

Singapore
Tel.+65-6296-3388
FAX.+65-6841-4426
sales@sg.sumida.com

San Jose
Tel.+1-408-321-9660
FAX.+1-408-321-9308
sales@us.sumida.com

Chicago
Tel.+1-847-545-6700
FAX. +1-847-545-6720
sales@us.sumida.com

Obernzell
Tel.+49-8591-937-0
FAX. +49-8591-937-103
contact@eu.sumida.com

Neumarkt
Tel.+49-9181-4509-110
FAX. +49-9181-4509-310
infocomp@eu.sumida.com