PIN Power Inductor
RCR-664D

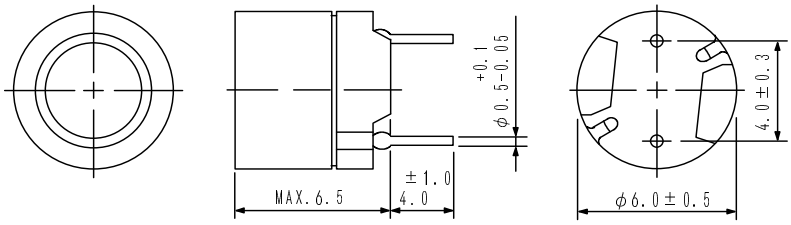
Description
- Ferrite drum core construction.
- Magnetically shielded.
- L × W × H: 6.5 × 6.5 × 6.5mm Max.
- Product weight: 0.6g(Ref.)
- Moisture Sensitivity Level: 1
- RoHS compliance.

Environmental Data
- Operating temperature range: -40℃～+85℃ (including coil's self temperature rise)
- Storage temperature range: -40℃～+85℃

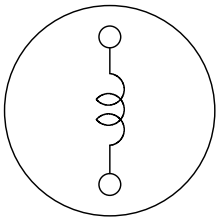
Packaging
- Box packaging.

Applications
- Ideally used in Printers, LCD TV, DVD, Copy Machine, Mainboard of the compounding machines etc. as DC-DC Converter inductors.

Dimension - [mm]



Schematics - [mm]



Revised: 7-Jan-14

Electrical Characteristics

PART NO.	STAMP	INDUCTANCE [WITHIN] ※1	D.C.R. (Ω) [MAX.] (at 20℃)	RATED CURRENT (mA) ※2
RCR664DNP-2R7M	2R7	2.7 μH ± 20 %	42m	2420
RCR664DNP-3R3M	3R3	3.3 μH ± 20 %	47m	2130
RCR664DNP-3R9M	3R9	3.9 μH ± 20 %	50m	2000
RCR664DNP-4R7M	4R7	4.7 μH ± 20 %	56m	1900
RCR664DNP-5R6M	5R6	5.6 μH ± 20 %	62m	1810
RCR664DNP-6R8M	6R8	6.8 μH ± 20 %	66m	1620
RCR664DNP-8R2M	8R2	8.2 μH ± 20 %	71m	1470
RCR664DNP-100L	100	10 μH ± 15 %	81m	1330
RCR664DNP-120L	120	12 μH ± 15 %	91m	1180
RCR664DNP-150L	150	15 μH ± 15 %	104m	1120
RCR664DNP-180L	180	18 μH ± 15 %	116m	1000
RCR664DNP-220L	220	22 μH ± 15 %	0.13	960
RCR664DNP-270L	270	27 μH ± 15 %	0.18	870
RCR664DNP-330L	330	33 μH ± 15 %	0.21	780
RCR664DNP-390L	390	39 μH ± 15 %	0.26	720
RCR664DNP-470L	470	47 μH ± 15 %	0.29	660
RCR664DNP-560K	560	56 μH ± 10 %	0.33	600
RCR664DNP-680K	680	68 μH ± 10 %	0.36	550
RCR664DNP-820K	820	82 μH ± 10 %	0.39	500
RCR664DNP-101K	101	100 μH ± 10 %	0.54	450
RCR664DNP-121K	121	120 μH ± 10 %	0.62	410
RCR664DNP-151K	151	150 μH ± 10 %	0.72	370
RCR664DNP-181K	181	180 μH ± 10 %	0.88	340
RCR664DNP-221K	221	220 μH ± 10 %	0.99	300
RCR664DNP-271K	271	270 μH ± 10 %	1.52	270
RCR664DNP-331K	331	330 μH ± 10 %	1.69	250
RCR664DNP-391K	391	390 μH ± 10 %	1.85	230
RCR664DNP-471K	471	470 μH ± 10 %	2.85	210
RCR664DNP-561K	561	560 μH ± 10 %	3.21	190
RCR664DNP-681K	681	680 μH ± 10 %	3.60	170
RCR664DNP-821K	821	820 μH ± 10 %	4.87	160
RCR664DNP-102K	102	1.0 mH ± 10 %	5.56	140

※1: Inductance measuring condition: 2.7 μH ～ 8.2 μH at 7.96 MHz
10 μH ～ 82 μH at 2.52 MHz
100 μH ～ 1.0mH at 1 kHz

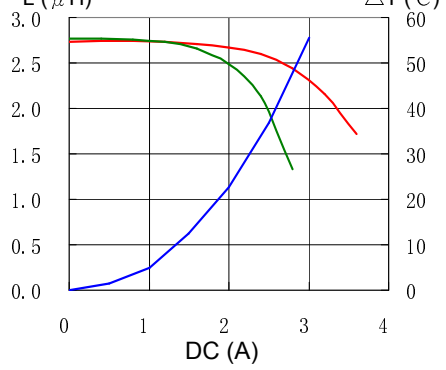
※2: The rated current indicates the lower value of current when the inductance is 10% lower than its initial value at D.C. superposition or the temperature of coil rises 40℃ with D.C. current passing. (Ta＝20℃)

PIN Power Inductor
RCR-664D

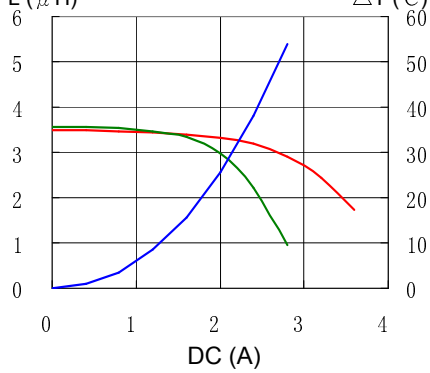
Saturation Current & Temperature Rise Graph

L (20℃) L (100℃) △T

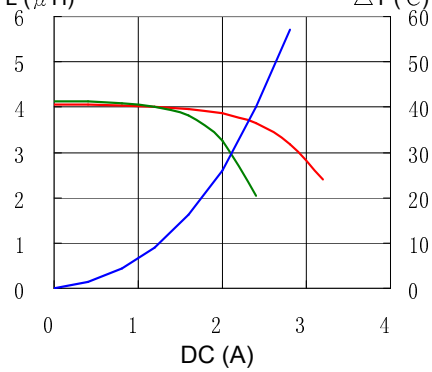
1. RCR664DNP-2R7M



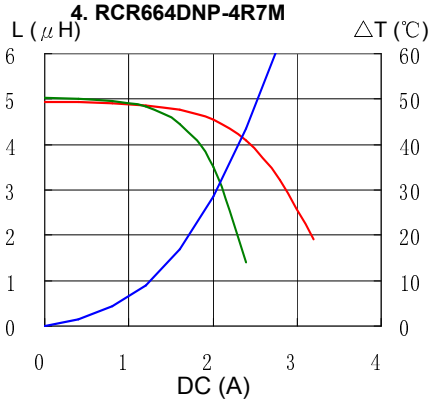
2. RCR664DNP-3R3M



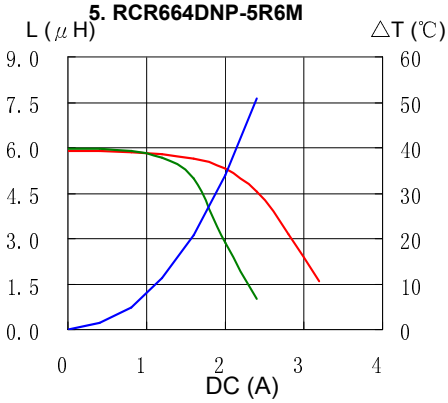
3. RCR664DNP-3R9M



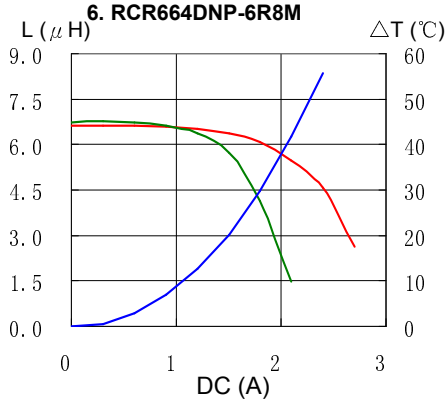
4. RCR664DNP-4R7M



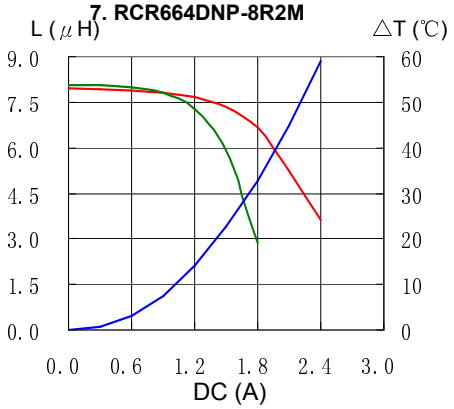
5. RCR664DNP-5R6M



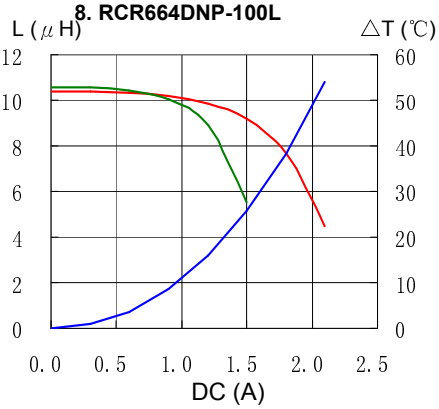
6. RCR664DNP-6R8M



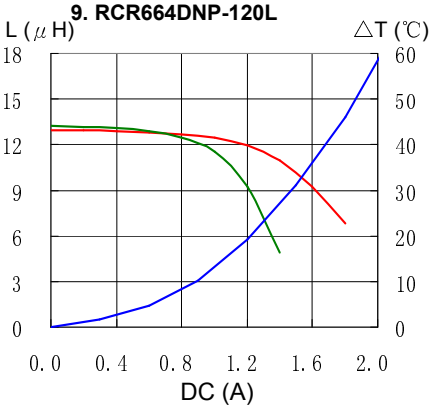
7. RCR664DNP-8R2M



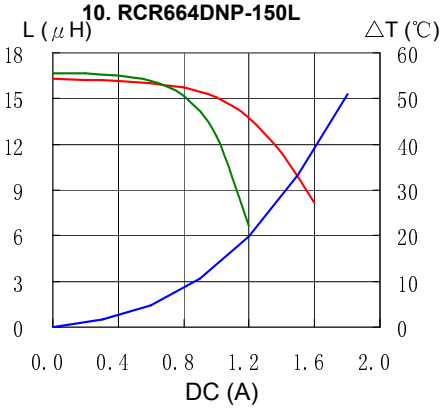
8. RCR664DNP-100L



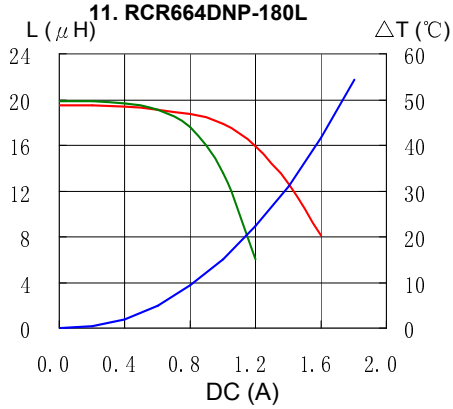
9. RCR664DNP-120L



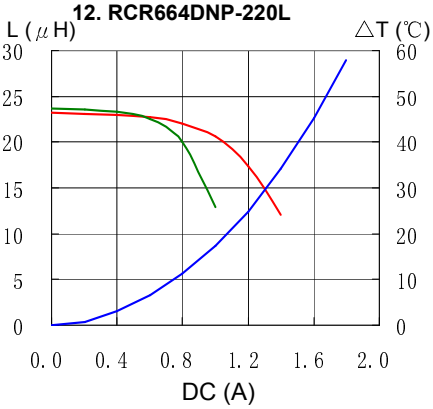
10. RCR664DNP-150L



11. RCR664DNP-180L



12. RCR664DNP-220L

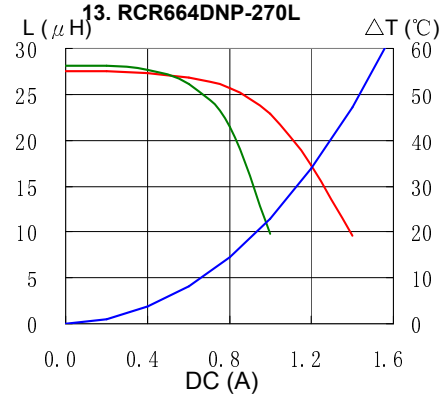


PIN Power Inductor
RCR-664D

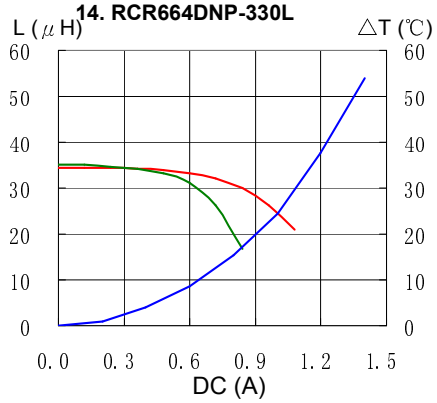
Saturation Current & Temperature Rise Graph

L (20℃) L (100℃) △T

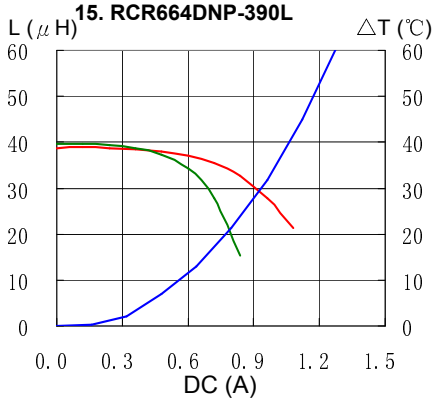
13. RCR664DNP-270L



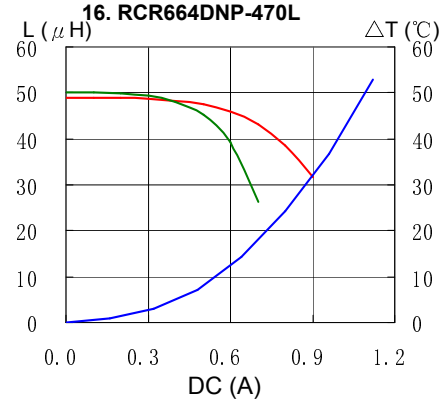
14. RCR664DNP-330L



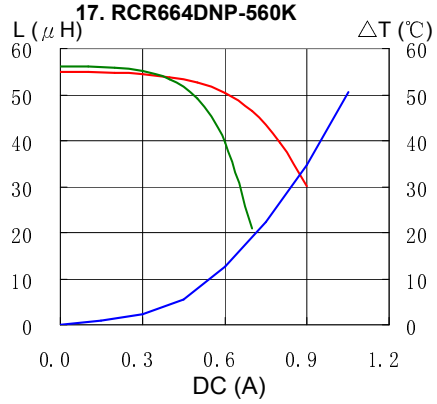
15. RCR664DNP-390L



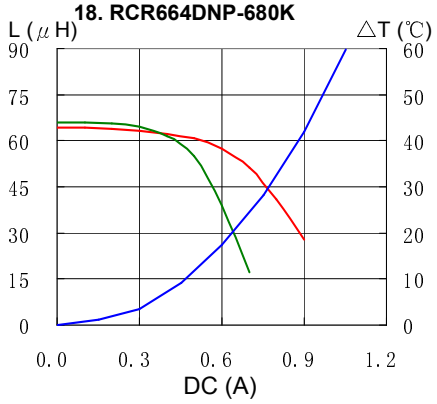
16. RCR664DNP-470L



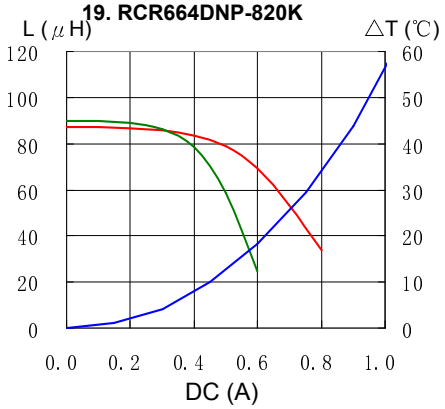
17. RCR664DNP-560K



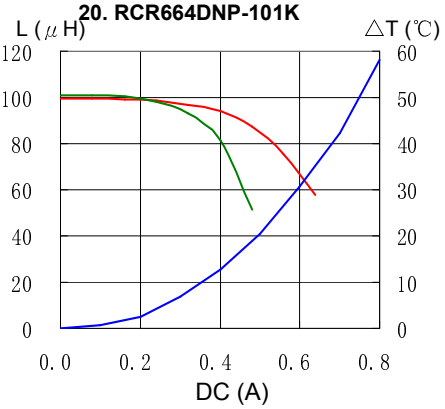
18. RCR664DNP-680K



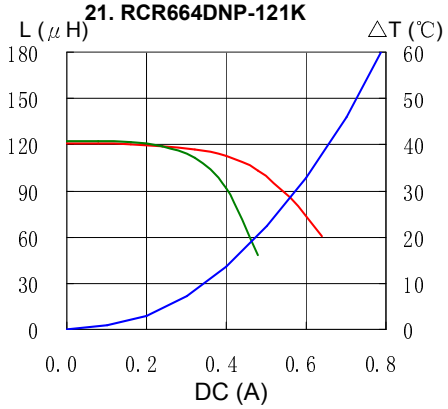
19. RCR664DNP-820K



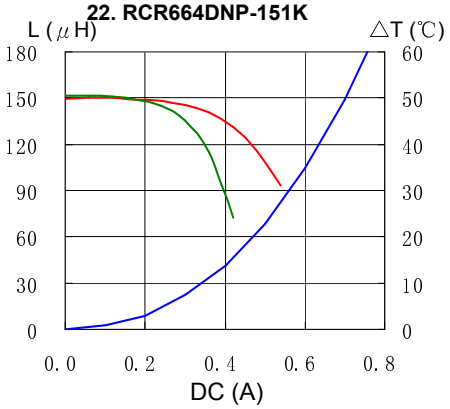
20. RCR664DNP-101K



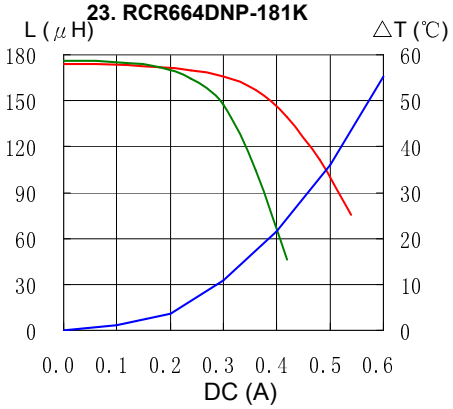
21. RCR664DNP-121K



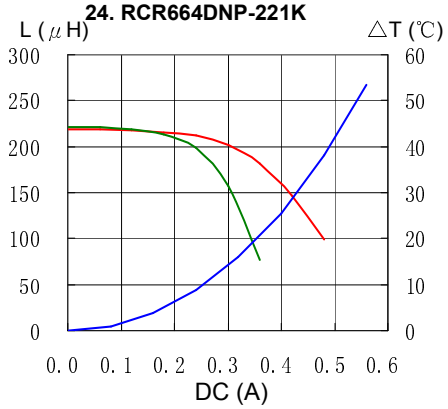
22. RCR664DNP-151K



23. RCR664DNP-181K



24. RCR664DNP-221K

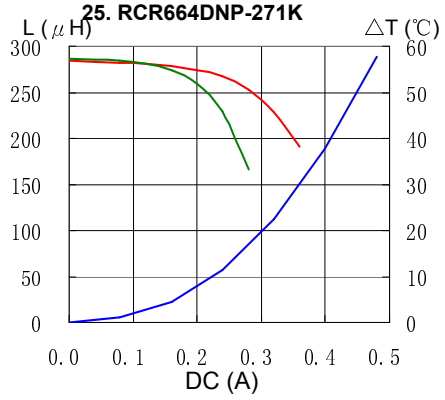


PIN Power Inductor
RCR-664D

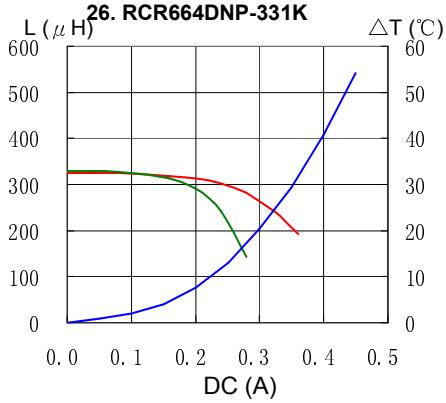
Saturation Current & Temperature Rise Graph

L (20℃) L (100℃) △T

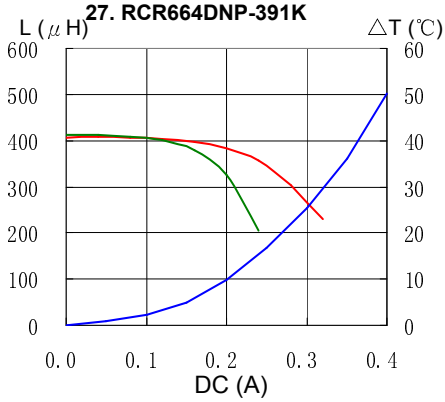
25. RCR664DNP-271K



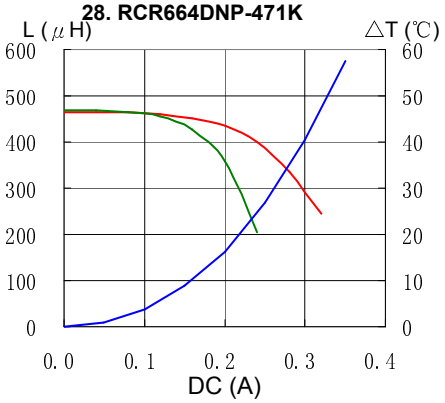
26. RCR664DNP-331K



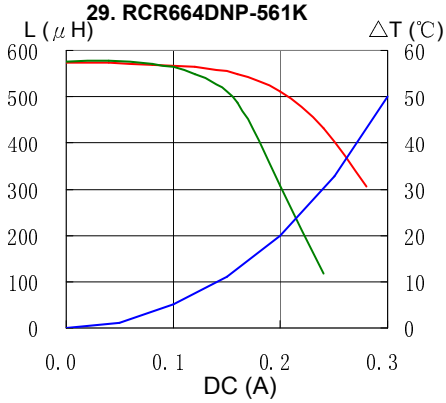
27. RCR664DNP-391K



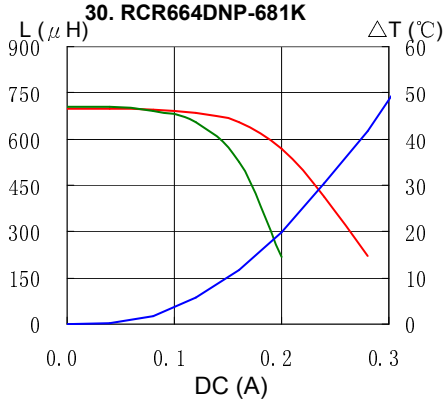
28. RCR664DNP-471K



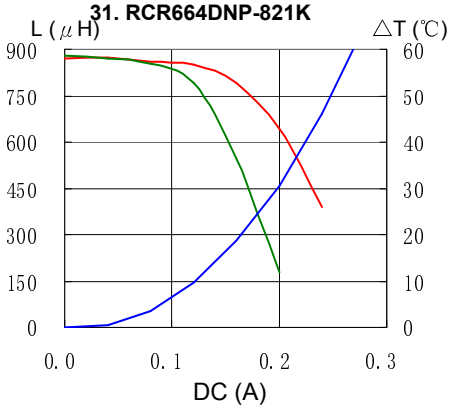
29. RCR664DNP-561K



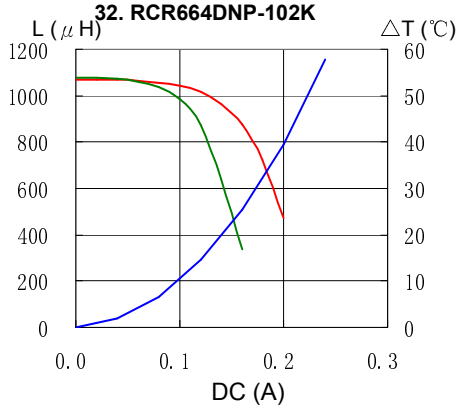
30. RCR664DNP-681K



31. RCR664DNP-821K



32. RCR664DNP-102K



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

Revised: 7-Jan-14