

Type:RC-855

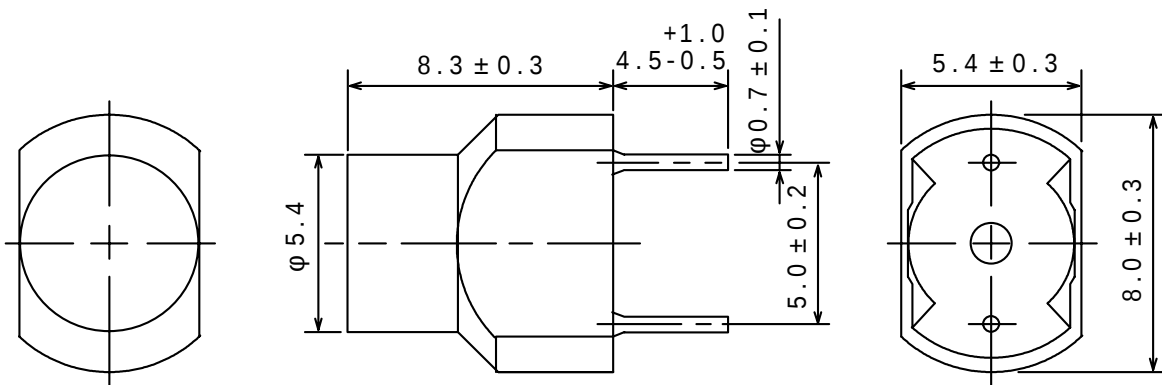
Product Description

- 8.3 × 5.7mm Max. (L × W), 8.6mm Max. height
- Inductance Range: 1.0 μH ~ 1mH
- Rated Current Range: 65mA ~ 400mA

Feature

- Magnetically unshielded construction.
- Ideally used in Printers, LCD TV, Copy Machine, Mainboard of the compounding machines, Adapters, etc as Power Supplies's inductors or DC-DC Converter inductors.
- RoHS Compliance

Dimensions (mm)



Type:RC-855
Specification-1

Part Name	Stamp	Inductance [Within] 1	Q Min. 1	Saturation Current (m A)[Ref.] 2	D.C.R.(Ω) [Max.] (at 20 °C)	S.R.F. (MHz) [Min.]
RC855NP-1R0M	1R0M	1.0 μH ± 20%	90	400	0.1	100.0
RC855NP-1R2M	1R2M	1.2 μH ± 20%	90	300	0.1	100.0
RC855NP-1R5M	1R5M	1.5 μH ± 20%	100	300	0.1	100.0
RC855NP-1R8M	1R8M	1.8 μH ± 20%	70	400	0.1	86.0
RC855NP-2R2M	2R2M	2.2 μH ± 20%	70	400	0.1	71.0
RC855NP-2R7M	2R7M	2.7 μH ± 20%	65	400	0.2	68.0
RC855NP-3R3M	3R3M	3.3 μH ± 20%	75	300	0.2	51.0
RC855NP-3R9K	3R9K	3.9 μH ± 10%	75	300	0.2	44.0
RC855NP-4R7K	4R7K	4.7 μH ± 10%	75	250	0.2	40.0
RC855NP-5R6K	5R6K	5.6 μH ± 10%	70	250	0.2	36.0
RC855NP-6R8K	6R8K	6.8 μH ± 10%	75	200	0.3	32.2
RC855NP-8R2K	8R2K	8.2 μH ± 10%	65	200	0.3	28.7
RC855NP-100K	100K	10 μH ± 10%	65	150	0.4	26.6
RC855NP-120K	120K	12 μH ± 10%	60	150	0.4	23.8
RC855NP-150K	150K	15 μH ± 10%	55	150	0.4	19.6
RC855NP-180K	180K	18 μH ± 10%	50	150	0.5	18.0
RC855NP-220K	220K	22 μH ± 10%	50	150	0.5	16.8
RC855NP-270K	270K	27 μH ± 10%	45	150	0.6	16.0
RC855NP-330K	330K	33 μH ± 10%	45	150	0.6	15.0
RC855NP-390K	390K	39 μH ± 10%	40	150	0.7	14.0
RC855NP-470K	470K	47 μH ± 10%	45	150	0.9	8.4
RC855NP-560K	560K	56 μH ± 10%	45	150	1.0	8.1
RC855NP-680K	680K	68 μH ± 10%	45	150	1.1	7.7
RC855NP-820K	820K	82 μH ± 10%	40	150	1.2	6.8
RC855NP-101K	101K	100 μH ± 10%	55	100	1.5	8.6
RC855NP-121K	121K	120 μH ± 10%	55	100	1.6	7.7
RC855NP-151K	151K	150 μH ± 10%	50	100	1.8	7.0
RC855NP-181K	181K	180 μH ± 10%	45	100	2.1	6.2
RC855NP-221K	221K	220 μH ± 10%	60	100	2.3	4.9
RC855NP-271K	271K	270 μH ± 10%	55	100	2.6	4.5
RC855NP-331K	331K	330 μH ± 10%	55	100	2.9	3.7
RC855NP-391K	391K	390 μH ± 10%	50	100	3.2	3.5
RC855NP-471K	471K	470 μH ± 10%	60	80	4.3	3.2
RC855NP-561K	561K	560 μH ± 10%	65	80	4.5	2.9
RC855NP-681K	681K	680 μH ± 10%	60	65	6.1	2.4
RC855NP-821K	821K	820 μH ± 10%	60	65	6.8	2.2
RC855NP-102K	102K	1mH ± 10%	65	65	8.4	2.0

- 1.Measuring frequency
(Inductance, Q) 1.0 μH ~ 8.2 μH ; 7.96 MHz
 10 μH ~ 82 μH ; 2.52 MHz
 100 μH ~ 820 μH ; 796 kHz
 1 mH ; 252 kHz

2. Saturation current: The DC current at which the inductance decreases 95% of it's initial value (Ta = 20 °C).

Type:RC-855
Specification-2

Part Name	Stamp	Inductance [Within] 1	Qu [Min.] 1	Rated .current (m A)[Ref.] 2	D.C.R.(Ω) [Max.] (at 20)	S.R.F. (MHz) [Min.]
RC855NP-1R1M	1R1M	1.1 μH ± 20%	90	300	0.1	100.0
RC855NP-1R3M	1R3M	1.3 μH ± 20%	95	300	0.1	100.0
RC855NP-1R6M	1R6M	1.6 μH ± 20%	100	300	0.1	100.0
RC855NP-2R0M	2R0M	2.0 μH ± 20%	70	400	0.1	78.5
RC855NP-2R4M	2R4M	2.4 μH ± 20%	70	400	0.2	69.5
RC855NP-3R0M	3R0M	3.0 μH ± 20%	65	300	0.2	59.0
RC855NP-3R6K	3R6K	3.6 μH ± 10%	75	300	0.2	47.5
RC855NP-4R3K	4R3K	4.3 μH ± 10%	75	250	0.2	42.0
RC855NP-5R1K	5R1K	5.1 μH ± 10%	75	250	0.2	38.0
RC855NP-6R2K	6R2K	6.2 μH ± 10%	75	200	0.3	34.0
RC855NP-7R5K	7R5K	7.5 μH ± 10%	70	200	0.4	30.0
RC855NP-9R1K	9R1K	9.1 μH ± 10%	65	150	0.4	27.6
RC855NP-110K	110K	11 μH ± 10%	60	150	0.4	25.2
RC855NP-130K	130K	13 μH ± 10%	55	150	0.5	21.8
RC855NP-160K	160K	16 μH ± 10%	50	150	0.5	18.2
RC855NP-200K	200K	20 μH ± 10%	50	150	0.6	17.0
RC855NP-240K	240K	24 μH ± 10%	45	150	0.6	16.2
RC855NP-300K	300K	30 μH ± 10%	40	150	0.6	15.2
RC855NP-360K	360K	36 μH ± 10%	40	150	0.7	14.2
RC855NP-430K	430K	43 μH ± 10%	40	150	0.9	8.5
RC855NP-510K	510K	51 μH ± 10%	45	150	1.0	8.2
RC855NP-620K	620K	62 μH ± 10%	45	150	1.1	7.9
RC855NP-750K	750K	75 μH ± 10%	40	150	1.2	7.2
RC855NP-910K	910K	91 μH ± 10%	35	150	1.4	6.0
RC855NP-111K	111K	110 μH ± 10%	55	100	1.6	8.1
RC855NP-131K	131K	130 μH ± 10%	50	100	1.7	7.4
RC855NP-161K	161K	160 μH ± 10%	45	100	1.9	6.7
RC855NP-201K	201K	200 μH ± 10%	60	100	2.2	5.5
RC855NP-241K	241K	240 μH ± 10%	70	100	2.4	4.9
RC855NP-301K	301K	300 μH ± 10%	60	100	2.7	4.5
RC855NP-361K	361K	360 μH ± 10%	55	100	3.0	3.7
RC855NP-431K	431K	430 μH ± 10%	70	100	3.9	3.5
RC855NP-511K	511K	510 μH ± 10%	60	80	4.1	3.2
RC855NP-621K	621K	620 μH ± 10%	70	80	5.5	2.9
RC855NP-751K	751K	750 μH ± 10%	70	65	6.2	2.4
RC855NP-911K	911K	910 μH ± 10%	75	65	7.6	2.2

1 Measuring frequency Inductance, Qu 1.1 μH ~ 9.1 μH ; 7.96 MHz
 11 μH ~ 91 μH ; 2.52 MHz
 110 μH ~ 750 μH ; 796 kHz
 910 μH ; 252 kHz

2. Rated current:

The DC current at which the temperature rise is t = 40 (Ta = 20)(for 1.1 μH ~ 91 μH)

The DC current at which the inductance decreases to 95% of it's initial value.(for the other part numbers)

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Specification-3

Part Name	Stamp	Inductance [Within] 1	Qu [Min.] 1	Rated current (mA) 2	D.C.R.(Ω) [Max.] (at 20 °C)	S.R.F. (MHz) [Min.]
RC855NP-100J	100J	10 μH ± 5%	65	150	0.4	26.6
RC855NP-120J	120J	12 μH ± 5%	60	150	0.4	23.8
RC855NP-150J	150J	15 μH ± 5%	55	150	0.4	19.6
RC855NP-270J	270J	27 μH ± 5%	45	150	0.6	16.0
RC855NP-330J	330J	33 μH ± 5%	45	150	0.6	15.0
RC855NP-390J	390J	39 μH ± 5%	40	150	0.7	14.0
RC855NP-470J	470J	47 μH ± 5%	45	150	0.9	8.4
RC855NP-560J	560J	56 μH ± 5%	45	150	1.0	8.1
RC855NP-680J	680J	68 μH ± 5%	45	150	1.1	7.7
RC855NP-820J	820J	82 μH ± 5%	40	150	1.2	6.8
RC855NP-101J	101J	100 μH ± 5%	55	100	1.5	8.6
RC855NP-121J	121J	120 μH ± 5%	55	100	1.6	7.7
RC855NP-151J	151J	150 μH ± 5%	50	100	1.8	7.0
RC855NP-181J	181J	180 μH ± 5%	45	100	2.1	6.2
RC855NP-221J	221J	220 μH ± 5%	60	100	2.3	4.9
RC855NP-271J	271J	270 μH ± 5%	55	100	2.6	4.5
RC855NP-331J	331J	330 μH ± 5%	55	100	2.9	3.7
RC855NP-391J	391J	390 μH ± 5%	50	100	3.2	3.5
RC855NP-471J	471J	470 μH ± 5%	60	80	4.3	3.2
RC855NP-561J	561J	560 μH ± 5%	65	80	4.5	2.9
RC855NP-681J	681J	680 μH ± 5%	60	65	6.1	2.4
RC855NP-821J	821J	820 μH ± 5%	60	65	6.8	2.2
RC855NP-102J	102J	1mH ± 5%	65	65	8.4	2.0

1 Measuring frequency Inductance, Qu 10 μH ~ 82 μH ; 2.52 MHz
100 μH ~ 820 μH ; 796 kHz
1 mH ; 252 kHz

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

Type:RC-855

Specification-4

Part Name	Stamp	Inductance [Within] 1	Qu [Min.] 1	S.R.F. (MHz) [Min.]	D.C.R.(Ω) [Max.] (at 20 °C)	Rated Current (mA) 2
RC855NP-1R8M-F	1R8M	1.8 μH ± 20%	90	70	0.2	180
RC855NP-2R2M-F	2R2M	2.2 μH ± 20%	100	67	0.2	180
RC855NP-2R7M-F	2R7M	2.7 μH ± 20%	95	50	0.2	150
RC855NP-3R3M-F	3R3M	3.3 μH ± 20%	95	44	0.3	100
RC855NP-3R9K-F	3R9K	3.9 μH ± 10%	95	40	0.4	100
RC855NP-4R7K-F	4R7K	4.7 μH ± 10%	110	36	0.4	100
RC855NP-5R6K-F	5R6K	5.6 μH ± 10%	105	34	0.6	80
RC855NP-6R8K-F	6R8K	6.8 μH ± 10%	110	30	0.6	80
RC855NP-8R2K-F	8R2K	8.2 μH ± 10%	110	26	0.7	80

1 Measuring frequency : 7.96 MHz

2 Rated current: The DC current at which the inductance decreases 90% of it's initial value or when $t=40$ s, whichever is lower($T_a = 20$ °C).