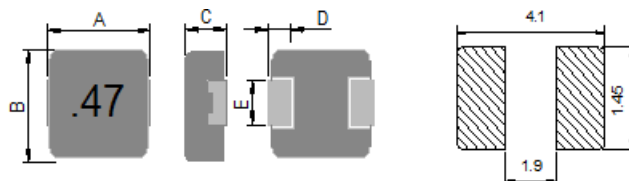


# CPJI 0402M/0302M series

## DIMENSIONS



Recommended Patterns mm

No	Part No.	A	B	C	D	E
1	CPJI 0312M	3.5 ± 0.2	3.2 ± 0.2	1.0 ± 0.2	0.7 ± 0.2	1.2 ± 0.2
2	CPJI 0302M	3.5 ± 0.2	3.2 ± 0.2	1.8 ± 0.2	0.7 ± 0.2	1.2 ± 0.2

## SERIES LIST

No	Part No.	L (μH)	TOL. (%)	RDC (mΩ)		I sat (A) Typ.	I rms (A) Typ.
				Typ.	Max.		
1	CPJI 0312M-R47M	0.47	±20	25	30	7.2	5.0
2	CPJI 0312M-R56M	0.56	±20	31	36	6.6	4.5
3	CPJI 0312M-R68M	0.68	±20	34	40	6.1	4.0
4	CPJI 0312M-R82M	0.82	±20	41	48	5.8	3.5
5	CPJI 0312M-1R0M	1.00	±20	50	60	5.5	3.3
6	CPJI 0312M-1R5M	1.50	±20	71	85	4.0	3.0
7	CPJI 0312M-2R2M	2.20	±20	98	115	3.4	2.7
8	CPJI 0312M-3R3M	3.30	±20	191	210	3.1	2.0
9	CPJI 0312M-4R7M	4.70	±20	266	293	2.8	1.6
10	CPJI 0312M-5R6M	5.60	±20	310	360	2.2	1.5
11	CPJI 0312M-6R8M	6.80	±20	360	400	2.0	1.4
12	CPJI 0312M-8R2M	8.20	±20	420	463	1.7	1.2
13	CPJI 0312M-100M	10.0	±20	498	550	1.4	1.0
1	CPJI 0302M-R10N	0.10	±30	6.6	9	14.0	10.5
2	CPJI 0302M-R22N	0.22	±30	11.0	14	11.2	9.0
3	CPJI 0302M-R33M	0.33	±20	17.0	21	10.0	8.0
4	CPJI 0302M-R47M	0.47	±20	19.7	23	9.0	7.0
5	CPJI 0302M-R68M	0.68	±20	25.5	29	7.0	5.5
6	CPJI 0302M-1R0M	1.00	±20	32	38	5.0	4.0
7	CPJI 0302M-1R5M	1.50	±20	42	50	4.0	3.8
8	CPJI 0302M-2R2M	2.20	±20	65	75	3.7	3.5
9	CPJI 0302M-3R3M	3.30	±20	125	145	3.5	3.0
10	CPJI 0302M-4R7M	4.70	±20	172	200	3.0	2.6
11	CPJI 0302M-5R6M	5.60	±20	205	238	2.6	2.2
12	CPJI 0302M-6R8M	6.80	±20	260	300	2.2	1.9
13	CPJI 0302M-8R2M	8.20	±20	340	390	1.9	1.6
14	CPJI 0302M-100M	10.0	±20	366	422	1.6	1.4

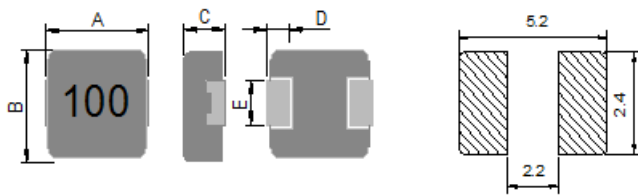
Note:

1. Test Frequency: 100KHz /1V
2. All test data referenced to 25°C ambient
3. Saturation Current (Isat) will cause L0 to drop approximately 30%.
4. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
5. The part temperature (ambient + temp rise) should not exceed 125°C. Under worst case operating . Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
6. Special inquiries besides the above common used types can be met on your requirement.

## ■ FEATURES

- Suitable for applications with ultra high current.
- High mechanical body.

## DIMENSIONS



Recommended Patterns

mm

No	Part No.	A	B	C	D	E
1	CPJI 0412M	4.45 ± 0.25	4.06 ± 0.25	1.0 ± 0.2	0.76 ± 0.3	2.0 ± 0.2
2	CPJI 0418M	4.45 ± 0.25	4.06 ± 0.25	1.6 ± 0.2	0.76 ± 0.3	2.0 ± 0.2
3	CPJI 0402M	4.45 ± 0.25	4.06 ± 0.25	1.8 ± 0.2	0.76 ± 0.3	2.0 ± 0.2

## SERIES LIST

No	Part No.	L (μH)	TOL. (%)	RDC (mΩ)		I sat (A) Typ.	I rms (A) Typ.
				Typ.	Max.		
1	CPJI 0412M-R10N	0.10	±30	4.3	5.5	25.0	11.5
2	CPJI 0412M-R15N	0.15	±30	5.5	6.8	21.5	10.0
3	CPJI 0412M-R22M	0.22	±20	6.6	8.0	20.0	8.5
4	CPJI 0412M-R33M	0.33	±20	13.6	16.0	11.0	7.0
5	CPJI 0412M-R36M	0.36	±20	15.5	18.0	8.5	6.5
6	CPJI 0412M-R47M	0.47	±20	18.0	20.0	6.5	6.0
7	CPJI 0412M-R60M	0.60	±20	22.5	26.0	6.0	5.3
8	CPJI 0412M-R68M	0.68	±20	32.0	37.0	6.0	5.0
9	CPJI 0412M-1R0M	1.00	±20	41.0	47.0	6.0	4.0
10	CPJI 0412M-1R2M	1.20	±20	48.0	56.0	5.0	3.5
11	CPJI 0412M-1R5M	1.50	±20	55.0	63.3	4.0	3.0
12	CPJI 0412M-2R2M	2.20	±20	69.2	80	3.5	2.8
13	CPJI 0412M-3R3M	3.30	±20	84.0	97	3.0	2.3
14	CPJI 0412M-4R7M	4.70	±20	128	145	2.5	2.0
15	CPJI 0412M-5R6M	5.60	±20	180	208	2.3	1.7
16	CPJI 0412M-6R8M	6.80	±20	300	360	1.7	1.5
17	CPJI 0412M-8R2M	8.20	±20	313	376	1.6	1.4
18	CPJI 0412M-100M	10.0	±20	410	463	1.4	1.3
19	CPJI 0412M-220M	22.0	±20	950	1050	1.0	0.8
1	CPJI 0418M-R56M	0.56	±20	16	20	9.0	6.0
2	CPJI 0418M-R68M	0.68	±20	18.5	22	8.5	5.8
3	CPJI 0418M-1R0M	1.00	±20	24.5	30	6.9	4.8
4	CPJI 0418M-2R2M	2.20	±20	39	45	4.2	3.5
5	CPJI 0418M-3R3M	3.30	±20	82	100	3.6	3.0
6	CPJI 0418M-4R7M	4.70	±20	106	130	3.0	2.3
7	CPJI 0418M-5R6M	5.60	±20	125	150	2.8	2.1
8	CPJI 0418M-6R8M	6.80	±20	150	180	2.6	1.95
9	CPJI 0418M-8R2M	8.20	±20	198	235	2.4	1.80
10	CPJI 0418M-100M	10.0	±20	220	265	2.1	1.65
1	CPJI 0402M-R10N	0.10	±30	3.2	4.0	35.0	12.0
2	CPJI 0402M-R18N	0.18	±30	4.6	5.4	28.0	13.5
3	CPJI 0402M-R22N	0.22	±30	6.6	7.3	24.0	13.0
4	CPJI 0402M-R33M	0.33	±20	7.8	8.6	18.0	10.0
5	CPJI 0402M-R47M	0.47	±20	11.2	14	12.0	8.0
6	CPJI 0402M-R56M	0.56	±20	13.5	16	10.0	7.3
7	CPJI 0402M-R68M	0.68	±20	16	19	10.0	7.0
8	CPJI 0402M-1R0M	1.00	±20	22	27	8.5	5.0
9	CPJI 0402M-1R2M	1.20	±20	25	30	7.8	4.8
10	CPJI 0402M-1R5M	1.50	±20	35	42	7.0	4.5
11	CPJI 0402M-2R2M	2.20	±20	51	61	6.0	4.0
12	CPJI 0402M-3R3M	3.30	±20	69	76	4.0	3.5
13	CPJI 0402M-4R7M	4.70	±20	95	105	3.5	2.6
14	CPJI 0402M-5R6M	5.60	±20	112	125	3.0	2.2

15	CPJI 0402M-6R8M	6.80	±20	150	172	2.8	2.1
16	CPJI 0402M-8R2M	8.20	±20	158	180	2.5	2.0
17	CPJI 0402M-100M	10.0	±20	215	243	2.3	1.8
18	CPJI 0402M-150M	15.0	±20	325	374	1.9	1.5
19	CPJI 0402M-220M	22.0	±20	470	500	1.4	1.2

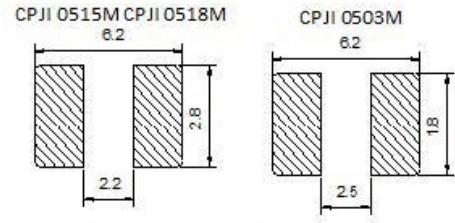
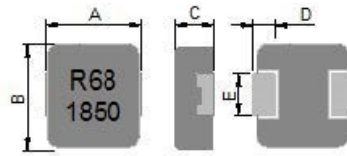
Note:

1. Test Frequency: 100KHz /1V
2. All test data referenced to 25°C ambient
3. Saturation Current (Isat) will cause L0 to drop approximately 30%.
4. Heat Rated Current (Irms) will cause the coil temperature rise approximately  $\Delta T$  of 40°C
5. The part temperature (ambient + temp rise) should not exceed 125°C. Under worst case operating . Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
6. Special inquiries besides the above common used types can be met on your requirement.

## ■ FEATURES

- Suitable for applications with ultra high current.
- High mechanical body.

## DIMENSIONS



Recommended Patterns mm

No	Part No.	A	B	C	D	E
1	CPJI 0515M	5.7 ± 0.3	5.2 ± 0.2	1.3 ± 0.2	1.1 ± 0.3	2.5 ± 0.3
2	CPJI 0518M	5.7 ± 0.3	5.2 ± 0.2	1.6 ± 0.2	1.1 ± 0.3	2.5 ± 0.3
3	CPJI 0503M	5.7 ± 0.3	5.2 ± 0.2	2.8 ± 0.2	1.1 ± 0.3	1.5 ± 0.2

## SERIES LIST

No	Part No.	L (μH)	TOL. (%)	RDC (mΩ)		I sat (A) Typ.	
				Typ.	Max.	Typ.	Typ.
1	CPJI 0515M-R12N	0.12	±30	3.3	3.9	17.0	28.0
2	CPJI 0515M-R15N	0.15	±30	3.6	4.1	16.0	25.0
3	CPJI 0515M-R20N	0.20	±30	3.8	4.2	15.0	22.5
4	CPJI 0515M-R22N	0.22	±30	5.0	6.5	12.0	20.0
5	CPJI 0515M-R33M	0.33	±20	8.5	9.8	9.0	16.0
6	CPJI 0515M-R36M	0.36	±20	10.0	12.5	8.5	15.5
7	CPJI 0515M-R47M	0.47	±20	12.0	13.8	8.0	15.0
8	CPJI 0515M-R68M	0.68	±20	14.0	16.2	7.0	13.0
9	CPJI 0515M-1R0M	1.00	±20	22.0	25.3	6.0	9.0
10	CPJI 0515M-1R5M	1.50	±20	39.0	45.0	4.5	7.0
11	CPJI 0515M-2R2M	2.20	±20	45.0	52.0	4.0	6.0
12	CPJI 0515M-3R3M	3.30	±20	78.0	90.0	3.2	4.5
13	CPJI 0515M-4R7M	4.70	±20	103	118	2.7	4.0
14	CPJI 0515M-5R6M	5.60	±20	126	152	2.4	3.2
15	CPJI 0515M-6R8M	6.80	±20	142	171	2.3	3.0
16	CPJI 0515M-8R2M	8.20	±20	175	210	2.1	2.6
17	CPJI 0515M-100M	10.0	±20	210	235	2.0	2.3
18	CPJI 0515M-150M	15.0	±20	310	380	1.6	2.0
19	CPJI 0515M-220M	22.0	±20	405	466	1.2	1.7
1	CPJI 0518M-R20N	0.20	±30	3.6	4.1	25.0	14.0
2	CPJI 0518M-R22M	0.22	±20	4.2	5.0	22.0	13.0
3	CPJI 0518M-R33M	0.33	±20	7.5	8.6	15.0	11.0
4	CPJI 0518M-R47M	0.47	±20	9.8	11.3	14.0	10.0
5	CPJI 0518M-R56M	0.56	±20	11.0	13.0	13.5	9.5
6	CPJI 0518M-R68M	0.68	±20	12.4	14.3	13.0	9.0
7	CPJI 0518M-1R0M	1.00	±20	18.2	21	10.0	6.8
8	CPJI 0518M-1R5M	1.50	±20	26	30	9.0	6.0
9	CPJI 0518M-2R2M	2.20	±20	42	48	7.5	4.5
10	CPJI 0518M-3R3M	3.30	±20	60	69	5.0	3.5
11	CPJI 0518M-4R7M	4.70	±20	85	98	4.5	3.0
12	CPJI 0518M-5R6M	5.60	±20	110	127	4.0	2.5
13	CPJI 0518M-6R8M	6.80	±20	118	137	3.5	2.4
14	CPJI 0518M-8R2M	8.20	±20	143	165	3.0	2.3
15	CPJI 0518M-100M	10.0	±20	165	190	2.8	2.3
16	CPJI 0518M-150M	15.0	±20	275	318	2.3	1.7
1	CPJI 0503M-R10N	0.10	±30	2.50	3.00	27.0	23.0
2	CPJI 0503M-R20M	0.20	±20	2.60	3.20	25.0	16.0
3	CPJI 0503M-R22M	0.22	±20	3.70	4.40	21.0	15.5
4	CPJI 0503M-R33M	0.33	±20	4.30	5.00	18.0	14.0
5	CPJI 0503M-R47M	0.47	±20	6.40	7.40	16.0	12.0
6	CPJI 0503M-R56M	0.56	±20	8.00	10.0	15.0	10.0
7	CPJI 0503M-R68M	0.68	±20	10.0	12.0	14.0	8.50
8	CPJI 0503M-1R0M	1.00	±20	13.0	14.0	11.0	7.00

9	CPJI 0503M-1R2M	1.20	±20	14.0	16.0	11.0	6.50
10	CPJI 0503M-1R5M	1.50	±20	16.0	25.0	10.0	6.00
11	CPJI 0503M-2R2M	2.20	±20	25.0	35.0	9.00	5.50
12	CPJI 0503M-3R3M	3.30	±20	32.0	38.0	8.00	5.00
13	CPJI 0503M-4R7M	4.70	±20	50.0	53.0	6.00	4.60
14	CPJI 0503M-5R6M	5.60	±20	55.0	63.0	4.50	4.25
15	CPJI 0503M-6R8M	6.80	±20	68.0	76.2	4.30	4.00
16	CPJI 0503M-100M	10.0	±20	110	128	3.50	2.75
17	CPJI 0503M-150M	15.0	±20	165	190	2.60	2.10
18	CPJI 0503M-180M	18.0	±20	195	230	2.30	2.00
19	CPJI 0503M-220M	22.0	±20	220	250	1.70	1.90
20	CPJI 0503M-330M	33.0	±20	380	440	1.60	1.60

**Note:**

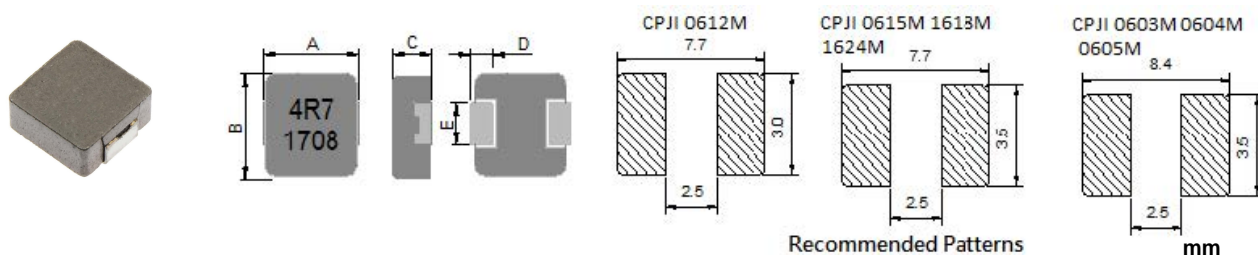
1. Test Frequency: 100KHz /1V
2. All test data referenced to 25°C ambient
3. Saturation Current (Isat) will cause L0 to drop approximately 30%.
4. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C
5. The part temperature (ambient + temp rise) should not exceed 125°C. Under worst case operating . Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
6. Special inquiries besides the above common used types can be met on your requirement.

## ■ FEATURES

- Suitable for applications with ultra high current.
- High mechanical body.

# CPJI 0612M/0615M/0618M/0624M /0603M/0604M/0605M series

## DIMENSIONS



No	Part No.	A	B	C	D	E
1	CPJI 0612M	7.0 ± 0.3	6.6 ± 0.3	1.0 ± 0.2	1.8 ± 0.3	2.5 ± 0.3
2	CPJI 0615M	7.0 ± 0.3	6.6 ± 0.3	1.3 ± 0.2	1.8 ± 0.3	3.0 ± 0.3
3	CPJI 0618M	7.0 ± 0.3	6.6 ± 0.3	1.6 ± 0.2	1.8 ± 0.3	3.0 ± 0.3
4	CPJI 0624M	7.3 ± 0.3	6.6 ± 0.3	2.2 ± 0.2	1.8 ± 0.3	3.0 ± 0.3
5	CPJI 0603M	7.3 ± 0.3	6.6 ± 0.3	2.8 ± 0.2	1.8 ± 0.3	3.0 ± 0.3
6	CPJI 0604M	7.3 ± 0.3	6.6 ± 0.3	3.8 ± 0.2	1.8 ± 0.3	3.0 ± 0.3
7	CPJI 0605M	7.3 ± 0.3	6.6 ± 0.3	4.8 ± 0.2	1.8 ± 0.3	3.0 ± 0.3

## SERIES LIST

No	Part No.	L ( $\mu$ H)	TOL. (%)	RDC (m $\Omega$ )		I sat (A) Typ.	I rms (A) Typ.
				Typ.	Max.		
1	CPJI 0612M-R10N	0.10	±30	3.3	4.0	30	16
2	CPJI 0612M-R15N	0.15	±30	4.9	5.7	24	14
3	CPJI 0612M-R22N	0.22	±30	6.5	7.5	19	11
4	CPJI 0612M-R33M	0.33	±20	9.0	10	16	9.5
5	CPJI 0612M-R47M	0.47	±20	13	17	12	8.5
6	CPJI 0612M-R68M	0.68	±20	17	19	9.0	7.0
7	CPJI 0612M-1R0M	1.00	±20	27	30	7.0	6.0
8	CPJI 0612M-1R2M	1.20	±20	31	36	6.8	5.0
9	CPJI 0612M-1R5M	1.50	±20	35	40	6.5	4.5
10	CPJI 0612M-2R2M	2.20	±20	53	61	5.0	4.0
11	CPJI 0612M-3R3M	3.30	±20	90	103	4.0	3.2
12	CPJI 0612M-4R7M	4.70	±20	130	150	3.8	2.5
13	CPJI 0612M-6R8M	6.80	±20	172	198	3.0	2.1
14	CPJI 0612M-100M	10.0	±20	280	290	2.5	1.8
15	CPJI 0612M-180M	18.0	±20	490	540	2.0	1.35
16	CPJI 0612M-220M	22.0	±20	540	600	1.7	1.2
1	CPJI 0615M-R10N	0.10	±30	2.5	3.1	35.0	17.5
2	CPJI 0615M-R12N	0.12	±30	3.0	3.6	30.0	17.0
3	CPJI 0615M-R15N	0.15	±30	3.7	4.5	25.0	16.0
4	CPJI 0615M-R20N	0.20	±30	3.9	4.6	24.0	14.5
5	CPJI 0615M-R22N	0.22	±30	4.3	5.2	22.0	14.0
6	CPJI 0615M-R33M	0.33	±20	6.6	7.6	18.0	11.0
7	CPJI 0615M-R47M	0.47	±20	9.0	10.3	16.0	9.5
8	CPJI 0615M-R56M	0.56	±20	12.5	14.0	15.5	9.0
9	CPJI 0615M-R68M	0.68	±20	13.8	15.2	15.0	7.5
10	CPJI 0615M-R82M	0.82	±20	20.0	24.0	14.0	7.0
11	CPJI 0615M-1R0M	1.00	±20	23.0	25.8	12.0	6.5
12	CPJI 0615M-1R2M	1.20	±20	29.0	34.0	10.5	5.6
13	CPJI 0615M-1R5M	1.50	±20	37.0	42.5	9.5	5.0
14	CPJI 0615M-2R2M	2.20	±20	48.0	55.0	6.5	4.5
15	CPJI 0615M-3R3M	3.30	±20	62.0	74.0	6.0	4.2
16	CPJI 0615M-4R7M	4.70	±20	96.0	111	5.0	3.8
17	CPJI 0615M-5R6M	5.60	±20	115	138	4.5	3.0
18	CPJI 0615M-6R8M	6.80	±20	128	148	3.5	2.6
19	CPJI 0615M-8R2M	8.20	±20	153	184	3.2	2.4

20	CPJI 0615M-100M	10.0	±20	180	216	2.8	2.3
21	CPJI 0615M-220M	22.0	±20	420	504	2.5	1.5
22	CPJI 0615M-330M	33.0	±20	640	750	2.0	1.2
1	CPJI 0618M-R10N	0.10	±30	2.1	2.5	45.0	18.0
2	CPJI 0618M-R15N	0.15	±30	2.2	2.6	34.0	18.0
3	CPJI 0618M-R18N	0.18	±30	2.5	3.0	32.0	17.0
4	CPJI 0618M-R22M	0.22	±20	2.5	3.0	26.0	16.0
5	CPJI 0618M-R33M	0.33	±20	4.8	5.8	22.0	14.0
6	CPJI 0618M-R47M	0.47	±20	6.4	7.4	18.0	12.0
7	CPJI 0618M-R56M	0.56	±20	8.5	10	17.5	11.0
8	CPJI 0618M-R68M	0.68	±20	9.5	11	17.0	10.0
9	CPJI 0618M-R82M	0.82	±20	11.5	14	15.5	8.5
10	CPJI 0618M-1R0M	1.00	±20	14.5	17	14.0	7.0
11	CPJI 0618M-1R2M	1.20	±20	20	24	13.5	6.5
12	CPJI 0618M-1R5M	1.50	±20	21	25.2	13.0	6.0
13	CPJI 0618M-2R2M	2.20	±20	31	35	11.0	6.0
14	CPJI 0618M-3R3M	3.30	±20	40	46	9.0	5.0
15	CPJI 0618M-4R7M	4.70	±20	68	76	7.0	4.0
16	CPJI 0618M-5R6M	5.60	±20	78	86	6.0	3.5
17	CPJI 0618M-6R8M	6.80	±20	93	104	5.5	3.0
18	CPJI 0618M-8R2M	8.20	±20	123	140	4.5	2.6
19	CPJI 0618M-100M	10.0	±20	143	160	3.5	2.3
20	CPJI 0618M-150M	15.0	±20	240	280	3.0	2.0
21	CPJI 0618M-220M	22.0	±20	300	360	2.5	1.8
22	CPJI 0618M-330M	33.0	±20	550	650	2.1	1.3
1	CPJI 0624M-R10N	0.10	±30	1.4	1.7	70.0	30.0
2	CPJI 0624M-R15N	0.15	±30	1.8	2.3	45.0	30.0
3	CPJI 0624M-R20M	0.20	±20	1.9	2.8	40.0	23.0
4	CPJI 0624M-R22M	0.22	±20	2.0	3.2	34.0	21.0
5	CPJI 0624M-R33M	0.33	±20	3.6	4.4	30.0	18.0
6	CPJI 0624M-R36M	0.36	±20	3.8	4.6	29.0	17.0
7	CPJI 0624M-R47M	0.47	±20	4.8	5.1	26.0	15.0
8	CPJI 0624M-R56M	0.56	±20	5.5	6.5	24.0	13.0
9	CPJI 0624M-R60M	0.60	±20	5.7	6.9	22.0	13.0
10	CPJI 0624M-R68M	0.68	±20	6.4	7.2	21.0	13.0
11	CPJI 0624M-R82M	0.82	±20	8.0	9.5	17.0	11.0
12	CPJI 0624M-1R0M	1.00	±20	10.5	13.5	16.0	11.0
13	CPJI 0624M-1R5M	1.50	±20	17.0	20.0	15.0	9.0
14	CPJI 0624M-2R2M	2.20	±20	23.0	28.0	14.0	7.0
15	CPJI 0624M-3R3M	3.30	±20	34.0	39.0	10.0	6.0
16	CPJI 0624M-4R7M	4.70	±20	41.0	50.0	9.0	5.5
17	CPJI 0624M-5R6M	5.60	±20	56.0	62.0	8.0	5.0
18	CPJI 0624M-6R8M	6.80	±20	65.0	72.0	7.0	4.0
19	CPJI 0624M-8R2M	8.20	±20	81.0	95.0	6.0	3.6
20	CPJI 0624M-100M	10.0	±20	92.0	101.0	5.0	3.2
21	CPJI 0624M-150M	15.0	±20	150.0	180.0	3.5	2.5
22	CPJI 0624M-220M	22.0	±20	185.0	215.0	3.0	1.8
1	CPJI 0603M-R10N	0.10	±30	1.2	1.7	60.0	32.5
2	CPJI 0603M-R15N	0.15	±30	1.5	1.9	45.0	27.0
3	CPJI 0603M-R16N	0.13	±30	1.5	1.9	45.0	27.0
4	CPJI 0603M-R20N	0.20	±30	1.8	2.5	41.0	24.0
5	CPJI 0603M-R22N	0.22	±30	2.1	2.8	40.0	23.0
6	CPJI 0603M-R30M	0.30	±20	3.2	3.8	35.0	21.0
7	CPJI 0603M-R33M	0.33	±20	3.5	3.9	32.0	20.0
8	CPJI 0603M-R36M	0.36	±20	3.6	4.2	32.0	19.0
9	CPJI 0603M-R47M	0.47	±20	4.0	4.2	26.0	17.5
10	CPJI 0603M-R56M	0.56	±20	4.7	5.0	25.5	16.5
11	CPJI 0603M-R60M	0.60	±20	4.7	5.2	25.5	16.0
12	CPJI 0603M-R68M	0.68	±20	4.8	5.5	25.0	15.5
13	CPJI 0603M-R75M	0.75	±20	5.5	6.6	24.5	14.5
14	CPJI 0603M-R82M	0.82	±20	6.7	8.0	24.0	13.0
15	CPJI 0603M-1R0M	1.00	±20	8.3	10	22.0	11.0
16	CPJI 0603M-1R2M	1.20	±20	10	12	20.0	10.0
17	CPJI 0603M-1R5M	1.50	±20	13	15	18.0	9.0
18	CPJI 0603M-1R8M	1.80	±20	14	17	16.0	8.5
19	CPJI 0603M-2R0M	2.00	±20	16	19	15.0	8.2
20	CPJI 0603M-2R2M	2.20	±20	18	20	14.0	8.0



21	CPJI 0603M-2R5M	2.50	±20	20	22	13.0	7.0
22	CPJI 0603M-3R3M	3.30	±20	28	30	13.5	6.0
23	CPJI 0603M-4R7M	4.70	±20	37	40	10.0	5.5
24	CPJI 0603M-5R6M	5.60	±20	43	48	9.0	5.0
25	CPJI 0603M-6R8M	6.80	±20	54	60	8.0	4.5
26	CPJI 0603M-8R2M	8.20	±20	64	68	7.5	4.0
27	CPJI 0603M-100M	10.0	±20	75	85	6.0	3.5
28	CPJI 0603M-120M	12.0	±20	81	93	5.5	3.3
29	CPJI 0603M-150M	15.0	±20	107	123	4.0	3.0
30	CPJI 0603M-220M	22.0	±20	165	190	3.5	2.0
31	CPJI 0603M-330M	33.0	±20	200	240	2.5	2.0
32	CPJI 0603M-470M	47.0	±20	302	363	2.0	1.75
1	CPJI 0604M-R12N	0.12	±30	0.7	1.0	64.0	32.0
2	CPJI 0604M-R15N	0.15	±30	0.9	1.2	55.0	30.0
3	CPJI 0604M-R22M	0.22	±20	1.85	2.1	34.0	25.0
4	CPJI 0604M-R33M	0.33	±20	2.0	2.6	34.0	25.0
5	CPJI 0604M-R36M	0.36	±20	2.7	3.1	31.0	25.0
6	CPJI 0604M-R47M	0.47	±20	3.0	3.4	28.0	23.0
7	CPJI 0604M-R56M	0.56	±20	3.8	4.3	26.0	20.0
8	CPJI 0604M-R68M	0.68	±20	4.1	4.5	24.0	16.0
9	CPJI 0604M-R82M	0.82	±20	5.5	6.3	15.0	23.0
10	CPJI 0604M-1R0M	1.00	±20	6.8	8.0	22.0	14.0
11	CPJI 0604M-1R5M	1.50	±20	10	12	20.0	12.0
12	CPJI 0604M-2R2M	2.20	±20	11.5	14	14.0	9.0
13	CPJI 0604M-3R3M	3.30	±20	24	27	12.0	8.0
14	CPJI 0604M-4R7M	4.70	±20	28	32.5	11.0	6.0
15	CPJI 0604M-5R6M	5.60	±20	33	38	9.0	5.0
16	CPJI 0604M-6R8M	6.80	±20	44	50	8.5	4.5
17	CPJI 0604M-8R2M	8.20	±20	55	64	8.0	4.5
18	CPJI 0604M-100M	10.0	±20	64	72	7.0	4.0
19	CPJI 0604M-150M	15.0	±20	80	90	3.5	3.0
20	CPJI 0604M-220M	22.0	±20	120	145	3.5	2.5
21	CPJI 0604M-330M	33.0	±20	180	210	3.2	1.8
22	CPJI 0604M-470M	47.0	±20	295	350	2.5	1.8
1	CPJI 0605M-R10N	0.10	±30	0.65	0.78	65.0	32.0
2	CPJI 0605M-R11N	0.11	±30	0.65	0.78	65.0	32.0
3	CPJI 0605M-R15N	0.15	±30	1.3	1.7	50.0	30.0
4	CPJI 0605M-R22M	0.22	±20	1.6	1.9	35.0	25.0
5	CPJI 0605M-R33M	0.33	±20	2.5	3.0	32.0	25.0
6	CPJI 0605M-R40M	0.40	±20	3.1	3.7	31.0	23.0
7	CPJI 0605M-R47M	0.47	±20	3.5	3.9	30.0	22.0
8	CPJI 0605M-R56M	0.56	±20	3.6	4.2	27.0	20.0
9	CPJI 0605M-R60M	0.60	±20	3.8	4.3	25.0	19.0
10	CPJI 0605M-R68M	0.68	±20	4.0	4.5	24.0	18.0
11	CPJI 0605M-R82M	0.82	±20	4.6	4.9	22.0	16.5
12	CPJI 0605M-1R0M	1.00	±20	6.1	6.5	20.0	15.0
13	CPJI 0605M-1R2M	1.20	±20	6.7	7.5	18.0	14.0
14	CPJI 0605M-1R5M	1.50	±20	8.6	9.0	16.5	12.0
15	CPJI 0605M-1R8M	1.80	±20	9.5	11.0	15.0	12.0
16	CPJI 0605M-2R2M	2.20	±20	11.2	12.0	14.0	10.0
17	CPJI 0605M-3R3M	3.30	±20	19	20.9	12.0	8.0
18	CPJI 0605M-4R7M	4.70	±20	28	30.8	10.0	6.5
19	CPJI 0605M-4R9M	4.90	±20	32	38	9.5	6.3
20	CPJI 0605M-5R6M	5.60	±20	43.5	49	9.0	6.0
21	CPJI 0605M-6R8M	6.80	±20	46	51.5	8.5	5.5
22	CPJI 0605M-8R2M	8.20	±20	56	63	8.0	5.0
23	CPJI 0605M-100M	10.0	±20	60	69	7.5	4.0
24	CPJI 0605M-120M	12.0	±20	68	80	6.7	3.8
25	CPJI 0605M-150M	15.0	±20	81	92	6.0	3.5
26	CPJI 0605M-220M	22.0	±20	140	170	5.5	2.5
27	CPJI 0605M-330M	33.0	±20	173	200	3.5	2.0
28	CPJI 0605M-420M	42.0	±20	212	245	2.8	2.0
29	CPJI 0605M-470M	47.0	±20	290	330	2.7	1.9
30	CPJI 0605M-560M	56.0	±20	342	396	2.1	1.6
31	CPJI 0605M-680M	68.0	±20	386	445	2.0	1.2

Note:

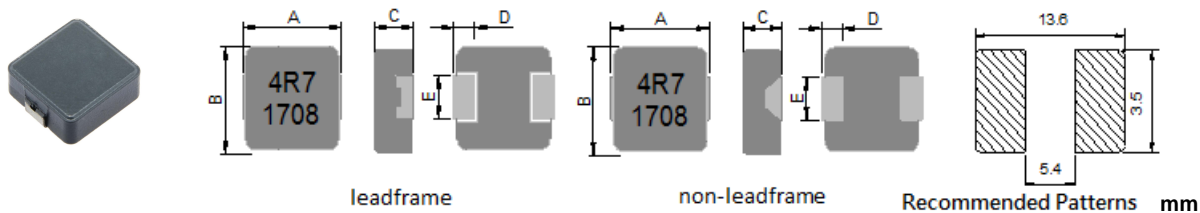
1. Test Frequency: 100KHz /1V
2. All test data referenced to 25°C ambient

3. Saturation Current (Isat) will cause L0 to drop approximately 30%.
4. Heat Rated Current (Irms) will cause the coil temperature rise approximately  $\Delta T$  of 40°C
5. The part temperature (ambient + temp rise) should not exceed 125°C. Under worst case operating . Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
6. Special inquiries besides the above common used types can be met on your requirement.

## ■ FEATURES

- Suitable for applications with ultra high current.
- High mechanical body.

## DIMENSIONS



No	Part No.	A	B	C	D	E
1	CPJI 1004M	11.0 ± 0.5	10.0 ± 0.3	3.8 ± 0.2	2.3 ± 0.3	3.0 ± 0.3
2	CPJI 1005M	11.0 ± 0.5	10.0 ± 0.3	4.8 ± 0.2	2.3 ± 0.3	3.0 ± 0.3

## SERIES LIST

No	Part No.	L ( $\mu$ H)	TOL. (%)	RDC (m $\Omega$ )		I sat (A) Typ.	I rms (A) Typ.	Type
				Typ.	Max.			
1	CPJI 1004M-R15N	0.15	±30	0.50	0.60	75.0	43.0	non-leadframe
2	CPJI 1004M-R18N	0.18	±30	0.54	0.80	72.0	38.0	non-leadframe
3	CPJI 1004M-R20N	0.20	±30	0.66	0.95	70.0	35.0	non-leadframe
4	CPJI 1004M-R22M	0.22	±20	0.80	1.00	60.0	35.0	non-leadframe
5	CPJI 1004M-R27M	0.27	±20	0.82	1.00	60.0	33.0	non-leadframe
6	CPJI 1004M-R30M	0.30	±20	0.94	1.10	60.0	32.0	non-leadframe
7	CPJI 1004M-R33M	0.33	±20	1.00	1.20	60.0	31.0	non-leadframe
8	CPJI 1004M-R36M	0.36	±20	1.05	1.20	60.0	31.0	non-leadframe
9	CPJI 1004M-R39M	0.39	±20	1.10	1.30	60.0	30.0	non-leadframe
10	CPJI 1004M-R45M	0.45	±20	1.30	1.50	45.0	29.0	non-leadframe
11	CPJI 1004M-R47M	0.47	±20	1.30	1.50	43.0	28.0	non-leadframe
12	CPJI 1004M-R56M	0.56	±20	1.60	1.80	40.0	25.0	non-leadframe
13	CPJI 1004M-R68M	0.68	±20	2.40	2.70	39.0	22.0	non-leadframe
14	CPJI 1004M-R75M	0.75	±20	2.40	2.70	39.0	22.0	non-leadframe
15	CPJI 1004M-1R0M	1.00	±20	3.00	3.30	36.0	18.0	non-leadframe
16	CPJI 1004M-1R2M	1.20	±20	3.30	3.80	33.0	17.0	non-leadframe
17	CPJI 1004M-1R5M	1.50	±20	4.00	4.60	33.0	16.0	non-leadframe
18	CPJI 1004M-2R2M	2.20	±20	6.50	7.00	27.0	12.0	leadframe
19	CPJI 1004M-2R5M	2.50	±20	7.90	8.70	23.0	11.5	leadframe
20	CPJI 1004M-3R3M	3.30	±20	10.8	11.8	20.0	11.0	leadframe
21	CPJI 1004M-4R0M	4.00	±20	13.0	15.0	18.0	10.2	leadframe
22	CPJI 1004M-4R7M	4.70	±20	15.0	15.5	17.0	10.0	leadframe
23	CPJI 1004M-5R6M	5.60	±20	17.0	19.3	14.0	9.0	leadframe
24	CPJI 1004M-6R8M	6.80	±20	17.5	23.3	13.5	8.5	leadframe
25	CPJI 1004M-8R2M	8.20	±20	20.0	22.5	12.5	8.0	leadframe
26	CPJI 1004M-100M	10.0	±20	27.0	30.0	12.0	7.5	leadframe
27	CPJI 1004M-150M	15.0	±20	40.0	45.0	10.0	6.25	leadframe
28	CPJI 1004M-220M	22.0	±20	64.0	74.0	7.0	5.0	leadframe
29	CPJI 1004M-270M	27.0	±20	86.0	100	6.0	4.0	leadframe
30	CPJI 1004M-330M	33.0	±20	92.0	112	5.0	3.5	leadframe
31	CPJI 1004M-470M	47.0	±20	145	167	4.5	3.0	leadframe
32	CPJI 1004M-680M	68.0	±20	205	240	3.0	2.0	leadframe

33	CPJI 1004M-820M	82.0	±20	265	320	2.5	1.5	leadframe
1	CPJI 1005M-R22M	0.22	±20	0.45	0.50	70	45	non-leadframe
2	CPJI 1005M-R30M	0.30	±20	0.57	0.61	65	38	non-leadframe
3	CPJI 1005M-1R0M	1.00	±20	2.8	3.5	30	22	non-leadframe
4	CPJI 1005M-1R2M	1.20	±20	2.9	3.5	28	20	non-leadframe
5	CPJI 1005M-1R3M	1.30	±20	3.2	3.7	28	20	non-leadframe
6	CPJI 1005M-1R5M	1.50	±20	3.5	4.1	27	19	non-leadframe
7	CPJI 1005M-2R2M	2.20	±20	5.4	6.0	24	16	leadframe
8	CPJI 1005M-3R3M	3.30	±20	9.0	10.4	22	14	leadframe
9	CPJI 1005M-8R2M	8.20	±20	18.5	24	14.5	9.0	leadframe
10	CPJI 1005M-100M	10.0	±20	25	29	13.5	8.0	leadframe
11	CPJI 1005M-150M	15.0	±20	37	45	9.5	5.5	leadframe
12	CPJI 1005M-220M	22.0	±20	50	60	9.0	5.0	leadframe
13	CPJI 1005M-240M	24.0	±20	59	70.8	7.7	4.6	leadframe
14	CPJI 1005M-330M	33.0	±20	80	92	7.5	4.3	leadframe
15	CPJI 1005M-470M	47.0	±20	125	145	6.5	3.8	leadframe
16	CPJI 1005M-680M	68.0	±20	176	205	4.0	2.5	leadframe
17	CPJI 1005M-101M	100	±20	315	380	3.0	2.0	leadframe

Note:

1. Test Frequency: 100KHz /1V

2. All test data referenced to 25°C ambient

3. Saturation Current (Isat) will cause L0 to drop approximately 30%.

4. Heat Rated Current (Irms) will cause the coil temperature rise approximately ΔT of 40°C

5. The part temperature (ambient + temp rise) should not exceed 125°C. Under worst case operating. Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.

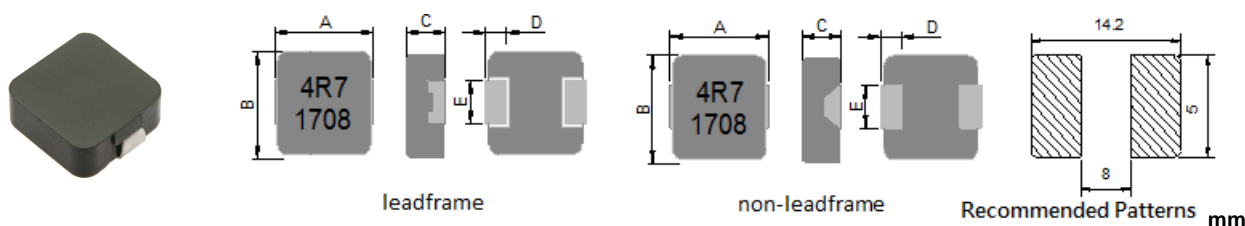
6. Special inquiries besides the above common used types can be met on your requirement.

## ■ FEATURES

- Suitable for applications with ultra high current.
- High mechanical body.

# Shielded SMD Power Inductors CPJI 1235M/1205M/1206M/1265M series

## DIMENSIONS



No	Part No.	A	B	C	D	E
1	CPJI 1235M	13.5 ± 0.5	12.5 ± 0.3	3.3 ± 0.2	2.3 ± 0.3	4.7 ± 0.3
2	CPJI 1205M	13.5 ± 0.5	12.5 ± 0.3	4.8 ± 0.2	2.3 ± 0.3	4.7 ± 0.3
3	CPJI 1206M	13.5 ± 0.5	12.5 ± 0.3	5.7 ± 0.3	2.3 ± 0.3	4.7 ± 0.3
4	CPJI 1265M	13.5 ± 0.5	12.5 ± 0.3	6.2 ± 0.3	2.3 ± 0.3	4.7 ± 0.3

## SERIES LIST

No	Part No.	L (μH)	TOL. (%)	RDC (mΩ)		I sat (A) Typ.	I rms (A) Typ.	Type
				Typ.	Max.			
1	CPJI 1235M-R33M	0.33	±20	0.85	1.00	62.0	36.5	non-leadframe
2	CPJI 1235M-R36M	0.36	±20	0.87	1.10	60.0	36.0	non-leadframe
3	CPJI 1235M-R45M	0.45	±20	1.05	1.50	58.0	33.0	non-leadframe
4	CPJI 1235M-R47M	0.47	±20	1.20	1.80	55.0	32.0	non-leadframe
5	CPJI 1235M-R56M	0.56	±20	1.30	1.90	53.0	30.0	non-leadframe
6	CPJI 1235M-R60M	0.60	±20	1.50	2.20	51.0	29.0	non-leadframe
7	CPJI 1235M-R67M	0.67	±20	1.90	2.50	49.0	28.0	non-leadframe
8	CPJI 1235M-R68M	0.68	±20	1.90	2.50	49.0	28.0	non-leadframe
9	CPJI 1235M-R82M	0.82	±20	2.20	3.00	44.0	25.0	leadframe
10	CPJI 1235M-1R0M	1.00	±20	2.70	3.50	40.0	24.0	leadframe
11	CPJI 1235M-1R2M	1.20	±20	4.00	5.00	37.0	21.0	leadframe
12	CPJI 1235M-1R5M	1.50	±20	4.80	5.50	35.0	19.0	leadframe
13	CPJI 1235M-1R8M	1.80	±20	5.20	7.00	30.0	17.0	leadframe
14	CPJI 1235M-2R2M	2.20	±20	6.30	8.00	29.0	16.0	leadframe
15	CPJI 1235M-3R3M	3.30	±20	11.00	13.50	27.0	12.0	leadframe
16	CPJI 1235M-4R7M	4.70	±20	15.30	18.20	24.0	10.0	leadframe
17	CPJI 1235M-5R6M	5.60	±20	18.0	22.0	19.0	9.5	leadframe
18	CPJI 1235M-6R8M	6.8	±20	20.0	24.0	18.0	9.0	leadframe
19	CPJI 1235M-8R2M	8.2	±20	23.0	28.0	16.0	8.5	leadframe
20	CPJI 1235M-100M	10.0	±20	29.0	34.0	14.0	7.0	leadframe
21	CPJI 1235M-330M	33.0	±20	132.0	160.0	6.0	3.5	leadframe
1	CPJI 1205M-R20M	0.20	±20	0.45	0.55	110.0	52.0	non-leadframe
2	CPJI 1205M-R22M	0.22	±20	0.50	0.70	110.0	52.0	non-leadframe
3	CPJI 1205M-R33M	0.33	±20	0.70	0.90	80.0	42.0	non-leadframe
4	CPJI 1205M-R36M	0.36	±20	0.75	0.95	75.0	42.0	non-leadframe
5	CPJI 1205M-R39M	0.39	±20	0.78	0.95	70.0	42.0	non-leadframe
6	CPJI 1205M-R47M	0.47	±20	0.86	1.10	65.0	38.0	non-leadframe
7	CPJI 1205M-R50M	0.50	±20	0.90	1.30	60.0	37.0	non-leadframe
8	CPJI 1205M-R56M	0.56	±20	1.00	1.50	55.0	36.0	non-leadframe
9	CPJI 1205M-R68M	0.68	±20	1.40	1.70	54.0	34.0	non-leadframe
10	CPJI 1205M-R82M	0.82	±20	1.70	2.10	52.0	31.0	non-leadframe
11	CPJI 1205M-1R0M	1.00	±20	1.85	2.50	50.0	29.0	non-leadframe
12	CPJI 1205M-1R2M	1.20	±20	2.50	3.00	49.0	28.0	non-leadframe
13	CPJI 1205M-1R5M	1.50	±20	2.80	3.30	48.0	27.0	non-leadframe
14	CPJI 1205M-1R8M	1.80	±20	4.00	4.90	40.0	21.0	leadframe
15	CPJI 1205M-2R2M	2.20	±20	4.20	5.50	32.0	20.0	leadframe
16	CPJI 1205M-2R7M	2.70	±20	4.70	6.70	32.0	17.0	leadframe
17	CPJI 1205M-3R3M	3.30	±20	6.80	9.20	32.0	15.0	leadframe
18	CPJI 1205M-4R7M	4.70	±20	11.4	15.0	27.0	12.0	leadframe
19	CPJI 1205M-5R6M	5.60	±20	12.3	16.5	22.0	11.5	leadframe
20	CPJI 1205M-6R0M	6.00	±20	13.0	16.5	21.5	11.5	leadframe

21	CPJI 1205M-6R8M	6.80	±20	14.5	18.5	21.0	11.0	leadframe
22	CPJI 1205M-8R2M	8.20	±20	16.8	22.5	18.0	9.5	leadframe
23	CPJI 1205M-100M	10.0	±20	21.4	25.5	16.0	9.0	leadframe
24	CPJI 1205M-150M	15.0	±20	32.0	38.0	13.0	8.2	leadframe
25	CPJI 1205M-180M	18.0	±20	40.0	45.0	11.0	7.5	leadframe
26	CPJI 1205M-220M	22.0	±20	50.0	58.0	10.0	6.5	leadframe
27	CPJI 1205M-330M	33.0	±20	73.0	88.0	8.0	5.0	leadframe
28	CPJI 1205M-470M	47.0	±20	100.0	120.0	6.5	4.0	leadframe
29	CPJI 1205M-680M	68.0	±20	135.0	162.0	5.5	3.5	leadframe
30	CPJI 1205M-820M	82.0	±20	198.0	238.0	4.8	3.0	leadframe
1	CPJI 1206M-R47M	0.47	±20	0.92	1.3	64.0	38.0	non-leadframe
2	CPJI 1206M-R56M	0.56	±20	1.15	1.5	60.0	35.0	non-leadframe
3	CPJI 1206M-R68M	0.68	±20	1.33	1.7	57.0	33.0	non-leadframe
4	CPJI 1206M-1R0M	1.0	±20	1.8	2.4	53.0	29.0	non-leadframe
5	CPJI 1206M-1R2M	1.2	±20	2.1	2.8	51.0	28.0	non-leadframe
6	CPJI 1206M-1R5M	1.5	±20	2.7	3.2	50.0	26.0	non-leadframe
7	CPJI 1206M-1R7M	1.7	±20	3.5	4.0	48.0	25.0	leadframe
8	CPJI 1206M-1R8M	1.8	±20	3.5	4.0	47.0	24.0	leadframe
9	CPJI 1206M-1R9M	1.9	±20	3.7	4.3	44.0	22.0	leadframe
10	CPJI 1206M-2R2M	2.2	±20	4.0	4.7	43.0	21.0	leadframe
11	CPJI 1206M-2R7M	2.7	±20	4.6	5.4	40.0	19.0	leadframe
12	CPJI 1206M-2R9M	2.9	±20	4.9	6.0	38.0	18.0	leadframe
13	CPJI 1206M-3R3M	3.3	±20	5.8	7.1	35.0	17.0	leadframe
14	CPJI 1206M-4R7M	4.7	±20	9.5	11.5	30.0	16.0	leadframe
15	CPJI 1206M-5R6M	5.6	±20	10.8	12.6	28.0	15.5	leadframe
16	CPJI 1206M-6R8M	6.8	±20	12.0	13.8	25.0	15.0	leadframe
17	CPJI 1206M-8R2M	8.2	±20	13.6	16.0	23.0	11.0	leadframe
18	CPJI 1206M-100M	10.0	±20	18.0	20.7	21.0	11.0	leadframe
19	CPJI 1206M-120M	12.0	±20	20.0	23.0	18.0	9.5	leadframe
20	CPJI 1206M-150M	15.0	±20	25.0	29.0	16.0	9.0	leadframe
21	CPJI 1206M-180M	18.0	±20	30.0	35.0	15.0	8.5	leadframe
22	CPJI 1206M-220M	22.0	±20	34.0	39.5	14.0	8.0	leadframe
23	CPJI 1206M-270M	27.0	±20	49.0	56.0	13.0	7.0	leadframe
24	CPJI 1206M-330M	33.0	±20	65.0	75.0	12.0	6.0	leadframe
25	CPJI 1206M-470M	47.0	±20	80.0	90.0	11.0	5.5	leadframe
26	CPJI 1206M-560M	56.0	±20	101.0	118.0	10.0	5.3	leadframe
27	CPJI 1206M-680M	68.0	±20	120.0	140.0	9.0	5.0	leadframe
28	CPJI 1206M-820M	82.0	±20	138.0	161.0	8.5	4.5	leadframe
29	CPJI 1206M-101M	100	±20	180.0	200.0	8.0	4.0	leadframe
30	CPJI 1206M-121M	120	±20	210.0	235.0	7.0	3.5	leadframe
31	CPJI 1206M-151M	150	±20	300.0	350.0	6.0	3.0	leadframe
32	CPJI 1206M-171M	170	±20	345.0	415.0	5.0	2.5	leadframe
33	CPJI 1206M-221M	220	±20	480.0	550.0	4.0	2.0	leadframe
1	CPJI 1265M-R15M	0.15	±20	0.49	0.60	118.0	55.0	non-leadframe
2	CPJI 1265M-R22M	0.22	±20	0.47	0.60	112.0	53.0	non-leadframe
3	CPJI 1265M-R30M	0.30	±20	0.60	0.72	72.0	48.0	non-leadframe
4	CPJI 1265M-R33M	0.33	±20	0.65	0.80	68.0	46.0	non-leadframe
5	CPJI 1265M-R36M	0.36	±20	0.70	0.90	66.0	45.0	non-leadframe
6	CPJI 1265M-R40M	0.40	±20	0.70	1.00	64.0	44.0	non-leadframe
7	CPJI 1265M-R45M	0.45	±20	0.90	1.20	63.0	42.0	non-leadframe
8	CPJI 1265M-R47M	0.47	±20	0.90	1.20	63.0	41.0	non-leadframe
9	CPJI 1265M-R50M	0.50	±20	0.92	1.25	60.0	40.0	non-leadframe
10	CPJI 1265M-R56M	0.56	±20	1.05	1.30	58.0	37.0	non-leadframe
11	CPJI 1265M-R68M	0.68	±20	1.25	1.50	55.0	35.0	non-leadframe
12	CPJI 1265M-R82M	0.82	±20	1.50	1.90	50.0	33.0	non-leadframe
13	CPJI 1265M-1R0M	1.00	±20	1.70	2.30	48.0	30.0	non-leadframe
14	CPJI 1265M-1R2M	1.20	±20	1.90	2.40	47.0	28.0	non-leadframe
15	CPJI 1265M-1R4M	1.40	±20	2.10	2.60	46.0	27.0	non-leadframe
16	CPJI 1265M-1R5M	1.50	±20	2.50	3.00	45.0	27.0	non-leadframe
17	CPJI 1265M-1R8M	1.80	±20	3.60	4.00	40.0	24.0	leadframe
18	CPJI 1265M-2R2M	2.20	±20	3.80	4.20	37.0	22.0	leadframe
19	CPJI 1265M-2R7M	2.70	±20	4.30	5.50	32.0	20.0	leadframe
20	CPJI 1265M-3R3M	3.30	±20	5.70	6.80	30.0	18.0	leadframe
21	CPJI 1265M-4R7M	4.70	±20	7.00	8.40	28.0	13.5	leadframe
22	CPJI 1265M-5R6M	5.60	±20	8.50	10.0	23.0	12.5	leadframe
23	CPJI 1265M-6R8M	6.80	±20	9.50	11.5	18.0	11.5	leadframe
24	CPJI 1265M-7R0M	7.00	±20	10.0	12.3	17.7	11.2	leadframe
25	CPJI 1265M-8R2M	8.20	±20	12.0	15.5	16.0	10.5	leadframe

26	CPJI 1265M-100M	10.0	±20	13.2	16.5	15.5	10.0	leadframe
27	CPJI 1265M-120M	12.0	±20	16.0	20.0	14.0	9.5	leadframe
28	CPJI 1265M-130M	13.0	±20	21.0	24.0	13.0	9.0	leadframe
29	CPJI 1265M-150M	15.0	±20	23.2	28.0	12.5	9.0	leadframe
30	CPJI 1265M-220M	22.0	±20	32.5	37.0	12.0	9.0	leadframe
31	CPJI 1265M-250M	25.0	±20	40.0	47.0	11.5	8.5	leadframe
32	CPJI 1265M-330M	33.0	±20	48.0	58.0	11.0	8.0	leadframe
33	CPJI 1265M-470M	47.0	±20	76.0	90.0	9.5	6.5	leadframe
34	CPJI 1265M-101M	100	±20	145.0	165.0	5.5	4.2	leadframe

Note:

1. Test Frequency: 100KHz /1V
2. All test data referenced to 25°C ambient
3. Saturation Current (Isat) will cause L0 to drop approximately 30%.
4. Heat Rated Current (Irms) will cause the coil temperature rise approximately  $\Delta T$  of 40°C
5. The part temperature (ambient + temp rise) should not exceed 125°C. Under worst case operating . Circuit design, component, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
6. Special inquiries besides the above common used types can be met on your requirement.

## ■ FEATURES

- Suitable for applications with ultra high current.
- High mechanical body.

## ■ STANDARD PACKAGE QUANTITY (SPQ)

Type	CPJI 0312M	CPJI 0302M	CPJI 0412M	CPJI 0418M	CPJI 0402M	CPJI 0515M	CPJI 0518M
Q'TY/Reel	4,000	3,000	4,000	3,000	3,000	3,500	3,000
Type	CPJI 0503M	CPJI 0612M	CPJI 0615M	CPJI 0618M	CPJI 0624M	CPJI 0603M	CPJI 0604M
Q'TY/Reel	2,000	3,000	2,000	2,000	1,500	1,000	1,000
Type	CPJI 0605M	CPJI 1004M	CPJI 1005M	CPJI 1235M	CPJI 1205M	CPJI 1206M	CPJI 1265M
Q'TY/Reel	800	500	500	500	500	500	500