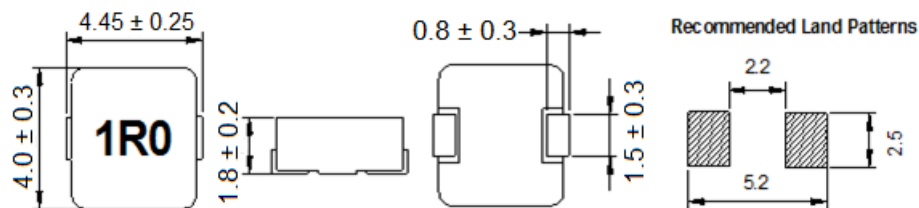
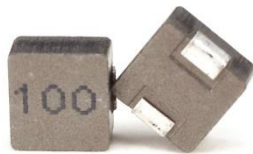


Shielded SMD Power Coils

JRPI 0402M series

SPECIFICATIONS



No	Part No.	L at 100KHz/0.5V (μH)	RDC (mΩ)		I sat (A) Typ.	I rms (A) Typ.
			Typ.	Max.		
1	JRPI 0402M-R47M	0.47 ± 20%	12.5	14.0	9.5	7.0
2	JRPI 0402M-1R0M	1.0 ± 20%	24.0	27.0	7.0	4.5
3	JRPI 0402M-1R5M	1.5 ± 20%	38.0	46.0	6.0	4.0
4	JRPI 0402M-2R2M	2.2 ± 20%	52.0	61.0	5.0	3.0
5	JRPI 0402M-3R3M	3.3 ± 20%	74.0	87.0	4.0	2.5
6	JRPI 0402M-4R7M	4.7 ± 20%	98.0	110.0	3.5	2.0
7	JRPI 0402M-100M	10 ± 20%	256.0	282.0	2.2	1.2

Note:

1. All test data referenced to 25°C ambient.
2. Operating Temperature Range -55°C to +125°C.
3. Isat : DC current(A) that will cause L0 to drop approximately 30%.
4. Irms : DC current(A) that will cause an approximate ΔT of 40°C.
5. The part temperature (ambient + temp rise) should not exceed 125°C under worse case operating conditions. Circuit design, component placement, PCB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified.

FEATURES

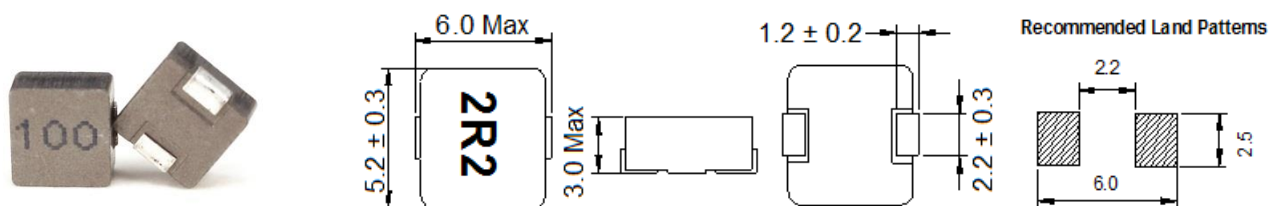
- Suitable for applications with ultra high current.
- High mechanical body.



Shielded SMD Power Coils

JRPI 0503M series

SPECIFICATIONS



No	Part No.	L at 100KHz/0.5V (μ H)	RDC (m Ω)		I sat (A) Typ.	I rms (A) Typ.
			Typ.	Max.		
1	JRPI 0503M-R20M	0.20 $\pm$ 20%	3.5	3.9	14.5	18.0
2	JRPI 0503M-R47M	0.47 $\pm$ 20%	7.4	8.5	12.0	13.5
3	JRPI 0503M-R68M	0.68 $\pm$ 20%	11	12	14.0	8.5
4	JRPI 0503M-1R0M	1.0 $\pm$ 20%	13	14	11.0	7.0
5	JRPI 0503M-1R2M	1.2 $\pm$ 20%	15	16	11.0	6.5
6	JRPI 0503M-1R5M	1.5 $\pm$ 20%	20	25	8.5	6.0
7	JRPI 0503M-2R2M	2.2 $\pm$ 20%	25	35	7.5	5.5
8	JRPI 0503M-3R3M	3.3 $\pm$ 20%	32	38	6.0	5.0
9	JRPI 0503M-4R7M	4.7 $\pm$ 20%	50	60	5.0	3.5
10	JRPI 0503M-6R8M	6.8 $\pm$ 20%	75	90	4.0	3.0
11	JRPI 0503M-100M	10 $\pm$ 20%	110	128	3.5	2.5

Note:

1. All test data referenced to 25 $^{\circ}$ C ambient.
2. Operating Temperature Range -55 $^{\circ}$ C to +125 $^{\circ}$ C.
3. Isat : DC current(A) that will cause L0 to drop approximately 30%.
4. Irms : DC current(A) that will cause an approximate Δ T of 40 $^{\circ}$ C.
5. The part temperature (ambient + temp rise) should not exceed 125 $^{\circ}$ C under worse case operating conditions. Circuit design, component placement, PCB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified.

FEATURES

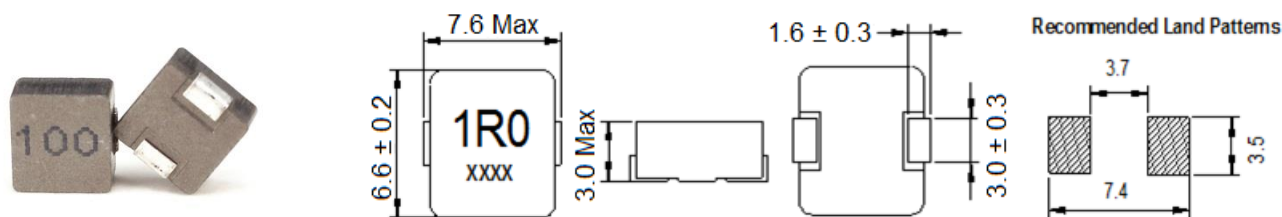
- Suitable for applications with ultra high current.
- High mechanical body.



Shielded SMD Power Coils

JRPI 0603M series

SPECIFICATIONS



No	Part No.	L at 100KHz/0.5V (μ H)	RDC (m Ω)		I sat (A) Typ.	I rms (A) Typ.
			Typ.	Max.		
1	JRPI 0603M-R22M	0.22 $\pm$ 20%	2.5	2.8	40.0	23.0
2	JRPI 0603M-R33M	0.33 $\pm$ 20%	3.5	3.9	30.0	20.0
3	JRPI 0603M-R47M	0.47 $\pm$ 20%	4.0	4.2	26.0	17.5
4	JRPI 0603M-R56M	0.56 $\pm$ 20%	4.7	5.0	25.5	16.5
5	JRPI 0603M-R68M	0.68 $\pm$ 20%	5.0	5.5	25.0	15.5
6	JRPI 0603M-R82M	0.82 $\pm$ 20%	6.7	8.0	20.0	13.0
7	JRPI 0603M-1R0M	1.0 $\pm$ 20%	9.0	10.0	20.0	11.0
8	JRPI 0603M-1R5M	1.5 $\pm$ 20%	14.0	15.0	16.0	9.0
9	JRPI 0603M-2R2M	2.2 $\pm$ 20%	17.0	20.0	12.0	8.0
10	JRPI 0603M-3R3M	3.3 $\pm$ 20%	28.0	30.0	10.0	6.0
11	JRPI 0603M-4R7M	4.7 $\pm$ 20%	37.0	40.0	7.0	5.5
12	JRPI 0603M-5R6M	5.6 $\pm$ 20%	40.0	48.0	6.0	5.5
13	JRPI 0603M-6R8M	6.8 $\pm$ 20%	54.0	60.0	6.5	4.5
14	JRPI 0603M-8R2M	8.2 $\pm$ 20%	54.0	68.0	6.0	4.5
15	JRPI 0603M-100M	10 $\pm$ 20%	62.0	85.0	5.5	4.0

Note:

1. All test data referenced to 25°C ambient.
2. Operating Temperature Range -55°C to +125°C.
3. Isat : DC current(A) that will cause L0 to drop approximately 30%.
4. Irms : DC current(A) that will cause an approximate ΔT of 40°C.
5. The part temperature (ambient + temp rise) should not exceed 125°C under worse case operating conditions. Circuit design, component placement, PCB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified.

FEATURES

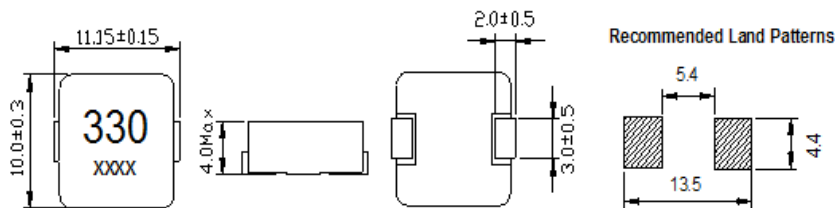
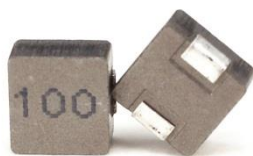
- Suitable for applications with ultra high current.
- High mechanical body.



Shielded SMD Power Coils

JRPI 1004M series

SPECIFICATIONS



No	Part No.	L at 100KHz/0.5V (μH)	RDC (mΩ)		I sat (A) Typ.	I rms (A) Typ.
			Typ.	Max.		
1	JRPI 1004M-R22M	0.22 ± 20%	0.8	1.0	50.0	30.0
2	JRPI 1004M-R36M	0.36 ± 20%	1.1	1.2	40.0	34.0
3	JRPI 1004M-R47M	0.47 ± 20%	1.3	1.55	35.0	25.0
4	JRPI 1004M-R56M	0.56 ± 20%	1.6	1.8	32.0	25.0
5	JRPI 1004M-R68M	0.68 ± 20%	2.4	2.7	30.0	22.0
6	JRPI 1004M-1R0M	1.0 ± 20%	3.0	3.3	28.0	18.0
7	JRPI 1004M-1R5M	1.5 ± 20%	3.8	4.2	21.0	16.0
8	JRPI 1004M-2R2M	2.2 ± 20%	6.7	7.0	18.0	12.0
9	JRPI 1004M-3R3M	3.3 ± 20%	10.8	11.8	16.0	10.0
10	JRPI 1004M-4R7M	4.7 ± 20%	17.0	20.0	15.0	8.5
11	JRPI 1004M-6R8M	6.8 ± 20%	22.5	25.0	9.0	6.5
12	JRPI 1004M-100M	10 ± 20%	27.0	30.0	8.5	7.5
13	JRPI 1004M-150M	15 ± 20%	40.0	45.0	7.0	6.25
14	JRPI 1004M-220M	22 ± 20%	60.0	66.0	5.5	5.0
15	JRPI 1004M-330M	33 ± 20%	85.0	92.0	5.0	4.4
16	JRPI 1004M-470M	47 ± 20%	130.0	145.0	3.5	3.3

Note:

1. All test data referenced to 25°C ambient.
2. Operating Temperature Range -55°C to +125°C.
3. Isat : DC current(A) that will cause L0 to drop approximately 30%.
4. Irms : DC current(A) that will cause an approximate ΔT of 40°C.
5. The part temperature (ambient + temp rise) should not exceed 125°C under worse case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified.

FEATURES

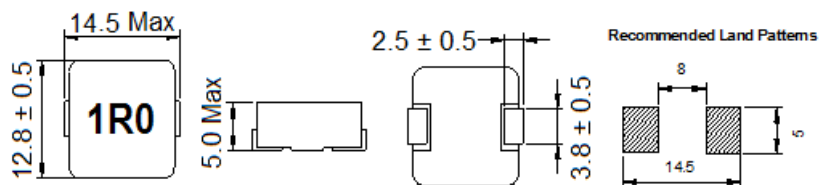
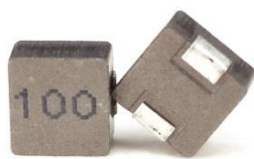
- Suitable for applications with ultra high current.
- High mechanical body.



Shielded SMD Power Coils

JRPI 1205M series

SPECIFICATIONS



No	Part No.	L at 100KHz/0.5V (μH)	RDC (mΩ)		I sat (A) Typ.	I rms (A) Typ.
			Typ.	Max.		
1	JRPI 1205M-R10M	0.10 ± 20%	0.53	0.60	80	55
2	JRPI 1205M-R22M	0.22 ± 20%	0.64	0.80	77	51
3	JRPI 1205M-R33M	0.33 ± 20%	0.85	1.10	60	42
4	JRPI 1250M-R47M	0.47 ± 20%	1.10	1.30	50	38
5	JRPI 1205M-R56M	0.56 ± 20%	1.30	1.50	45	36
6	JRPI 1205M-R68M	0.68 ± 20%	1.50	1.70	43	34
7	JRPI 1205M-R82M	0.82 ± 20%	2.00	2.30	42	31
8	JRPI 1205M-1R0M	1.0 ± 20%	2.10	2.50	40	29
9	JRPI 1205M-1R2M	1.2 ± 20%	2.80	3.50	38	25
10	JRPI 1205M-1R5M	1.5 ± 20%	3.40	4.10	35	23
11	JRPI 1205M-1R8M	1.8 ± 20%	4.20	4.90	28	19
12	JRPI 1205M-2R2M	2.2 ± 20%	4.60	5.50	25	20
13	JRPI 1205M-3R3M	3.3 ± 20%	7.70	9.20	22	15
14	JRPI 1205M-4R7M	4.7 ± 20%	12.8	15.0	20	12
15	JRPI 1205M-5R6M	5.6 ± 20%	14.0	16.5	18	12
16	JRPI 1205M-6R8M	6.8 ± 20%	15.4	18.5	16	11
17	JRPI 1205M-8R2M	8.2 ± 20%	18.9	22.5	13	9.5
18	JRPI 1205M-100M	10 ± 20%	21.4	25.5	12	9

Note:

1. All test data referenced to 25°C ambient.
2. Operating Temperature Range -55°C to +125°C.
3. Isat : DC current(A) that will cause L0 to drop approximately 30%.
4. Irms : DC current(A) that will cause an approximate ΔT of 40°C.
5. The part temperature (ambient + temp rise) should not exceed 125°C under worse case operating conditions. Circuit design, component placement, PCB trace size and thickness, airflow and other cooling provision all affect the part temperature. Part temperature should be verified.

FEATURES

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

