



PRODUCT IDENTIFICATION

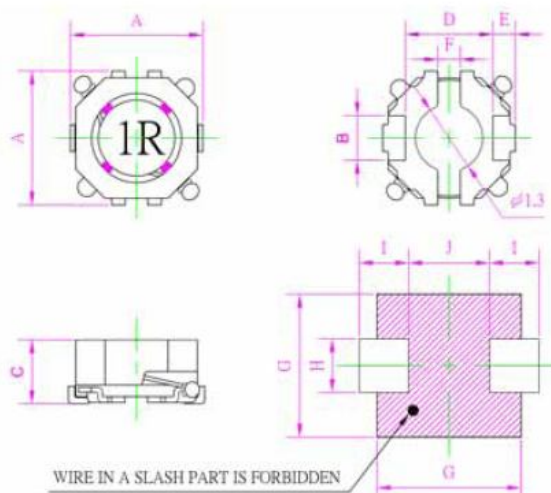
JPRH - 0312- 100 M
 | | |
 Type Size Inductance Tolerance

FEATURES

- ◆ New designed terminal for low cost.
- ◆ Low profile and high current.
- ◆ Magnetically shielded construction.
- ◆ Ideal for digital equipment and hand phone of new generation.
- ◆ RoHS compliant.

APPLICATIONS

- ◆ DSC, DVC , PDA products.
- ◆ Hand phone of new generation
- ◆ Hard disk drives.



LAND PATTERNS(mm)

DIMENSIONS (mm)

Part No.	A	B	C	D	E	F	G	H	I	J
JPRH 0312	3.0 ± 0.2	1.0	1.2 Max.	2.0	0.5	0.5	3.2	1.2	1.1	1.8
JPRH 0315	3.0 ± 0.2	1.0	1.5 Max.	2.0	0.5	0.5	3.2	1.2	1.1	1.8
JPRH 0318	3.0 ± 0.2	1.0	1.8 Max.	2.0	0.5	0.5	3.2	1.2	1.1	1.8
JPRH 0412	3.8 ± 0.2	1.1	1.2 Max.	2.4	0.7	0.6	4.0	1.5	1.4	2.0
JPRH 0415	3.8 ± 0.2	1.1	1.5 Max.	2.4	0.7	0.6	4.0	1.5	1.4	2.0
JPRH 0418	3.8 ± 0.2	1.1	1.8 Max.	2.4	0.7	0.6	4.0	1.5	1.4	2.0
JPRH 0512	4.6 ± 0.3	1.3	1.2 Max.	3.2	0.7	0.6	5.0	1.6	1.4	2.8
JPRH 0515	4.6 ± 0.3	1.3	1.5 Max.	3.2	0.7	0.6	5.0	1.6	1.4	2.8

PACKAGE

Type	JPRH 0312	JPRH 0315	JPRH 0318	JPRH 0412
Q'TY/Reel	4,000	4,000	3,500	4,000
Type	JPRH 0415	JPRH 0418	JPRH 0512	JPRH 0515
Q'TY/Reel	4,000	3,500	4,000	4,000

No.	Part No.	L	Test	RDC	Saturation Rated		Temperature
		(μ H)	Frequency (KHz)	Max. (m Ω)	Current (A) 20°C	Current (A) 100°C	Rise Current Max. (A)
1	JPRH 0312-1R2N	1.2	100	117	0.85	0.70	1.05
2	JPRH 0312-2R2N	2.2	100	182	0.70	0.60	0.90
3	JPRH 0312-3R3N	3.3	100	260	0.60	0.50	0.82
4	JPRH 0312-4R7N	4.7	100	312	0.50	0.40	0.72
5	JPRH 0312-5R6N	5.6	100	442	0.46	0.35	0.67
6	JPRH 0312-6R8N	6.8	100	520	0.43	0.30	0.62
7	JPRH 0312-8R2N	8.2	100	560	0.38	0.28	0.58
8	JPRH 0312-100M	10.0	100	780	0.33	0.25	0.55
1	JPRH 0315-2R2N	2.2	100	150	1.00	0.80	1.00
2	JPRH 0315-3R3N	3.3	100	234	0.90	0.70	0.90
3	JPRH 0315-4R7N	4.7	100	338	0.80	0.60	0.85
4	JPRH 0315-5R6N	5.6	100	364	0.70	0.55	0.80
5	JPRH 0315-6R8N	6.8	100	416	0.60	0.52	0.77
6	JPRH 0315-8R2N	8.2	100	572	0.55	0.48	0.72
7	JPRH 0315-100M	10.0	100	624	0.50	0.45	0.70
8	JPRH 0315-120M	12.0	100	702	0.45	0.40	0.65
9	JPRH 0315-150M	15.0	100	949	0.40	0.35	0.50
10	JPRH 0315-180M	18.0	100	1090	0.35	0.30	0.40
11	JPRH 0315-220M	22.0	100	1250	0.30	0.25	0.30
1	JPRH 0318-2R2N	2.2	100	117	1.10	0.90	1.10
2	JPRH 0318-3R3N	3.3	100	143	1.00	0.80	1.00
3	JPRH 0318-4R7N	4.7	100	221	0.80	0.70	0.90
4	JPRH 0318-5R6N	5.6	100	247	0.75	0.60	0.85
5	JPRH 0318-6R8N	6.8	100	312	0.70	0.55	0.82
6	JPRH 0318-8R2N	8.2	100	351	0.60	0.50	0.78
7	JPRH 0318-100M	10.0	100	468	0.55	0.48	0.75
8	JPRH 0318-120M	12.0	100	533	0.50	0.45	0.65
9	JPRH 0318-150M	15.0	100	598	0.45	0.40	0.55
10	JPRH 0318-180M	18.0	100	715	0.40	0.33	0.50
11	JPRH 0318-220M	22.0	100	975	0.38	0.30	0.45
12	JPRH 0318-270M	27.0	100	1105	0.33	0.25	0.40
13	JPRH 0318-330M	33.0	100	1222	0.30	0.23	0.33
14	JPRH 0318-390M	39.0	100	1625	0.25	0.20	0.28
15	JPRH 0318-470M	47.0	100	1820	0.23	0.18	0.25

Tolerance : M= $\pm 20\%$, N= $\pm 30\%$, M tolerance is standard.

No.	Part No.	L	Test	RDC	Saturation Rated		Temperature
		(μ H)	Frequency (KHz)	Max. (m Ω)	Current (A) 20°C	Max. 100°C	Rise Current Max. (A)
1	JPRH 0412-1R2N	1.2	100	81	1.60	1.40	1.30
2	JPRH 0412-1R5N	1.5	100	100	1.40	1.20	1.10
3	JPRH 0412-2R2N	2.2	100	125	1.20	0.90	0.92
4	JPRH 0412-2R7N	2.7	100	188	1.10	0.85	0.87
5	JPRH 0412-3R9N	3.9	100	256	1.00	0.80	0.83
6	JPRH 0412-4R7N	4.7	100	287	0.90	0.70	0.80
7	JPRH 0412-5R6N	5.6	100	380	0.80	0.60	0.75
8	JPRH 0412-6R8N	6.8	100	450	0.70	0.55	0.65
9	JPRH 0412-8R2N	8.2	100	500	0.60	0.50	0.55
10	JPRH 0412-100M	10.0	100	650	0.50	0.35	0.45
11	JPRH 0412-120M	12.0	100	687	0.45	0.30	0.40
12	JPRH 0412-150M	15.0	100	787	0.40	0.27	0.37
13	JPRH 0412-180M	18.0	100	875	0.35	0.25	0.35
14	JPRH 0412-220M	22.0	100	962	0.30	0.20	0.30
1	JPRH 0415-1R0N	1.0	100	78	2.00	1.80	1.80
2	JPRH 0415-1R5N	1.5	100	94	1.70	1.50	1.70
3	JPRH 0415-2R2N	2.2	100	106	1.40	1.20	1.60
4	JPRH 0415-2R7N	2.7	100	118	1.30	1.10	1.50
5	JPRH 0415-3R3N	3.3	100	131	1.10	1.00	1.40
6	JPRH 0415-3R9N	3.9	100	143	1.00	0.90	1.30
7	JPRH 0415-4R7N	4.7	100	162	0.95	0.85	1.20
8	JPRH 0415-5R6N	5.6	100	175	0.90	0.80	1.10
9	JPRH 0415-6R8N	6.8	100	212	0.85	0.75	1.00
10	JPRH 0415-8R2N	8.2	100	237	0.80	0.70	0.95
11	JPRH 0415-100M	10.0	100	262	0.70	0.50	0.90
12	JPRH 0415-120M	12.0	100	350	0.60	0.45	0.80
13	JPRH 0415-150M	15.0	100	456	0.55	0.42	0.75
14	JPRH 0415-180M	18.0	100	506	0.50	0.40	0.70
15	JPRH 0415-220M	22.0	100	575	0.45	0.37	0.55
16	JPRH 0415-270M	27.0	100	675	0.40	0.33	0.53
17	JPRH 0415-330M	33.0	100	937	0.35	0.30	0.50
18	JPRH 0415-390M	39.0	100	1037	0.32	0.28	0.45
19	JPRH 0415-470M	47.0	100	1262	0.28	0.22	0.43
1	JPRH 0418-1R2N	1.2	100	88	2.00	1.80	1.90
2	JPRH 0418-1R8N	1.8	100	100	1.80	1.60	1.80
3	JPRH 0418-2R2N	2.2	100	113	1.60	1.40	1.70
4	JPRH 0418-2R7N	2.7	100	125	1.40	1.20	1.55
5	JPRH 0418-3R3N	3.3	100	138	1.20	1.10	1.45
6	JPRH 0418-3R9N	3.9	100	150	1.10	1.00	1.35
7	JPRH 0418-4R7N	4.7	100	162	1.00	0.90	1.25
8	JPRH 0418-5R6N	5.6	100	181	0.95	0.85	1.15
9	JPRH 0418-6R8N	6.8	100	200	0.90	0.80	1.05
10	JPRH 0418-8R2N	8.2	100	225	0.80	0.75	0.95
11	JPRH 0418-100M	10.0	100	250	0.75	0.70	0.85
12	JPRH 0418-120M	12.0	100	337	0.65	0.60	0.70
13	JPRH 0418-150M	15.0	100	393	0.60	0.55	0.65
14	JPRH 0418-180M	18.0	100	437	0.55	0.50	0.60
15	JPRH 0418-220M	22.0	100	563	0.50	0.45	0.55
16	JPRH 0418-270M	27.0	100	637	0.45	0.40	0.45
17	JPRH 0418-330M	33.0	100	712	0.40	0.35	0.40
18	JPRH 0418-390M	39.0	100	956	0.38	0.32	0.35
19	JPRH 0418-470M	47.0	100	1100	0.32	0.28	0.30

Tolerance : M= $\pm$ 20%, N= $\pm$ 30% , M tolerance is standard.

No.	Part No.	L	Test	RDC	Saturation Rated		Temperature
		(μ H)	Frequency (KHz)	Max. (m Ω)	Current (A) 20°C	Current (A) 100°C	Rise Current Max. (A)
1	JPRH 0512-1R0N	1.0	100	75	2.10	1.90	1.70
2	JPRH 0512-1R5N	1.5	100	89	1.80	1.60	1.60
3	JPRH 0512-2R2N	2.2	100	106	1.40	1.20	1.50
4	JPRH 0512-2R7N	2.7	100	125	1.30	1.10	1.40
5	JPRH 0512-3R3N	3.3	100	150	1.20	1.00	1.30
6	JPRH 0512-4R7N	4.7	100	196	1.10	0.95	1.20
7	JPRH 0512-5R6N	5.6	100	256	1.00	0.80	1.05
8	JPRH 0512-6R8N	6.8	100	312	0.90	0.75	1.00
9	JPRH 0512-8R2N	8.2	100	362	0.80	0.65	0.90
10	JPRH 0512-100M	10.0	100	450	0.70	0.60	0.80
11	JPRH 0512-120M	12.0	100	500	0.65	0.55	0.75
12	JPRH 0512-150M	15.0	100	700	0.60	0.50	0.70
13	JPRH 0512-180M	18.0	100	775	0.50	0.40	0.60
14	JPRH 0512-220M	22.0	100	1025	0.45	0.38	0.55
15	JPRH 0512-270M	27.0	100	1162	0.40	0.35	0.50
16	JPRH 0512-330M	33.0	100	1300	0.38	0.32	0.45
17	JPRH 0512-390M	39.0	100	1500	0.35	0.30	0.43
18	JPRH 0512-470M	47.0	100	1625	0.32	0.28	0.40
1	JPRH 0515-1R0N	1.0	100	81	3.00	2.60	1.75
2	JPRH 0515-1R2N	1.2	100	100	2.50	2.20	1.70
3	JPRH 0515-1R8N	1.8	100	121	2.20	1.80	1.65
4	JPRH 0515-2R7N	2.7	100	137	2.00	1.70	1.60
5	JPRH 0515-3R3N	3.3	100	150	1.80	1.60	1.55
6	JPRH 0515-3R9N	3.9	100	168	1.60	1.40	1.45
7	JPRH 0515-4R7N	4.7	100	187	1.50	1.20	1.35
8	JPRH 0515-5R6N	5.6	100	212	1.40	1.10	1.25
9	JPRH 0515-6R8N	6.8	100	230	1.30	1.05	1.15
10	JPRH 0515-8R2N	8.2	100	250	1.20	1.00	1.05
11	JPRH 0515-100M	10.0	100	312	1.00	0.85	0.98
12	JPRH 0515-120M	12.0	100	356	0.85	0.80	0.85
13	JPRH 0515-150M	15.0	100	475	0.80	0.70	0.80
14	JPRH 0515-180M	18.0	100	618	0.75	0.65	0.70
15	JPRH 0515-220M	22.0	100	692	0.65	0.58	0.65
16	JPRH 0515-270M	27.0	100	980	0.60	0.50	0.55
17	JPRH 0515-330M	33.0	100	1068	0.55	0.45	0.50
18	JPRH 0515-390M	39.0	100	1200	0.50	0.40	0.45
19	JPRH 0515-470M	47.0	100	1710	0.45	0.38	0.42

Tolerance : M= $\pm 20\%$, N= $\pm 30\%$, M tolerance is standard.