

PRODUCT IDENTIFICATION



JPRD - 0315- 1R0 M

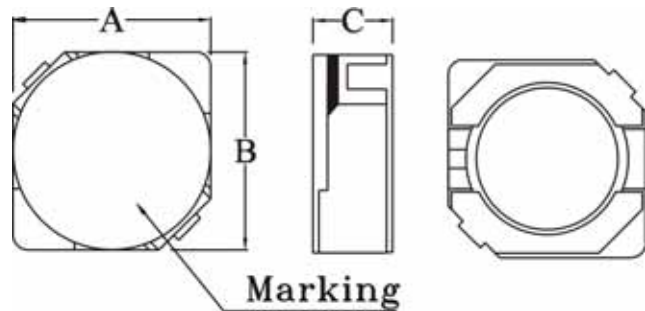
Type Size Inductance Tolerance

FEATURES

- JPRD series are superior to be high saturation for surface mounting
- Very thin & compact
- With large permissible DC current & low DC resistance
- Magnetic shielding surface mount inductor with high current rating

APPLICATIONS

- PDA's flash memory
- Step-up, step-down converters
- Communications
- Hard disk, notebook computer

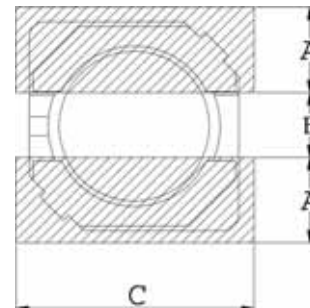


DIMENSIONS (mm)

No.	Part No.	Size (mm)		
		A	B	C
1	JPRD 0315	3.8 ± 0.3	3.8 ± 0.3	1.8 Max.
2	JPRD 0402	4.7 ± 0.3	4.7 ± 0.3	2.0 Max.
3	JPRD 0403	4.7 ± 0.3	4.7 ± 0.3	3.0 Max.
4	JPRD 0503	5.7 ± 0.3	5.7 ± 0.3	3.0 Max.
5	JPRD 0603	6.7 ± 0.3	6.7 ± 0.3	3.0 Max.
6	JPRD 0604	6.7 ± 0.3	6.7 ± 0.3	4.0 Max.

RECOMMENDED PATTERN(mm)

Part	A	B	C
JPRD 0315	1.60	1.20	4.50
JPRD 0402	1.90	1.50	5.30
JPRD 0403	1.90	1.50	5.30
JPRD 0503	2.15	2.00	6.30
JPRD 0603	2.65	2.00	7.30
JPRD 0604	2.65	2.00	7.30



PACKAGE

Type	JPRD 0315	JPRD 0402	JPRD 0403	JPRD 0503	JPRD 0603	JPRD 0604
Q'TY/Reel	2,000	2,000	2,000	1,000	1,000	1,000

Part Code	L (μ H)	JPRD 0315		JPRD 0402		JPRD 0403		JPRD 0503		JPRD 0603		JPRD 0604	
		RDC(Ω)	IDC(A)	RDC(Ω)	IDC(A)	RDC(Ω)	IDC(A)	RDC(Ω)	IDC(A)	RDC(Ω)	IDC(A)	RDC(Ω)	IDC(A)
1R0	1.0			0.045	1.72								
1R2	1.2					0.0236	2.56						
1R5	1.5												
1R8	1.8					0.0275	2.20						
2R2	2.2			0.075	1.32	0.0313	2.04						
2R5	2.5							0.018	2.60				
2R7	2.7			0.105	1.28	0.0433	1.60						
3R0	3.0							0.024	2.40	0.024	3.00		
3R3	3.3	0.085	1.10	0.110	1.04	0.0492	1.57					0.020	3.50
3R9	3.9	0.081	0.75	0.155	0.88	0.0648	1.44			0.027	2.60		
4R2	4.2							0.031	2.20				
4R7	4.7	0.105	0.90	0.162	0.84	0.0720	1.32						
5R0	5.0									0.031	2.40	0.024	2.90
5R3	5.3							0.038	1.90				
5R6	5.6	0.102	0.62	0.170	0.80	0.1009	1.17						
6R0	6.0									0.035	2.25		
6R2	6.2							0.045	1.80			0.027	2.50
6R8	6.8	0.170	0.73	0.200	0.76	0.1089	1.12						
7R3	7.3									0.054	2.10		
7R4	7.4											0.031	2.30
8R2	8.2	0.140	0.51	0.245	0.68	0.1175	1.04	0.053	1.60				
8R6	8.6									0.058	1.85		
8R7	8.7											0.034	2.20
100	10	0.210	0.55	0.200	0.61	0.1283	1.00	0.065	1.30	0.065	1.70	0.038	2.00
120	12	0.205	0.42	0.210	0.56	0.1316	0.84	0.076	1.20	0.070	1.55	0.053	1.70
150	15	0.295	0.45	0.240	0.50	0.1490	0.76	0.103	1.10	0.084	1.40	0.057	1.60
180	18	0.327	0.34	0.338	0.48	0.1660	0.72	0.110	1.00	0.095	1.32	0.092	1.50
220	22	0.430	0.40	0.397	0.41	0.2350	0.70	0.122	0.90	0.128	1.20	0.096	1.30
270	27	0.470	0.28	0.441	0.35	0.2610	0.58	0.175	0.85	0.142	1.05	0.109	1.20
330	33	0.675	0.32	0.694	0.32	0.3780	0.56	0.189	0.75	0.165	0.97	0.124	1.10
390	39	0.700	0.24	0.709	0.30	0.3837	0.50	0.212	0.70	0.210	0.86	0.138	1.00
470	47	0.775	0.21			0.5870	0.48	0.260	0.62	0.238	0.80	0.155	0.95
560	56					0.6245	0.41	0.305	0.58	0.277	0.73	0.202	0.85
680	68					0.6990	0.35	0.355	0.52	0.304	0.65	0.234	0.75
820	82					0.9148	0.32	0.463	0.46	0.390	0.60	0.324	0.70
101	100					1.0200	0.29	0.520	0.42	0.535	0.54	0.358	0.65
121	120					1.2700	0.27						
151	150					1.3500	0.24						
181	180					1.5400	0.22						

DCR & IDC listed are all Max. Value.

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