UNSHIELDED SMD HIGH CURRENT POWER INDUCTORS / BS TYPE

FEATURES

- Miniature surface mount design.
- High power, High saturation inductors.
- Very low resistance.
- Ideal inductors for DC-DC conversion.

APPLICATIONS

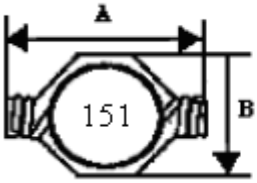
- Notebook
- PDA Step-up and step-down converters
- Power supply for VTRs.
- LCD televisions.

ORDERING CODE

BS 1813 - 470 □

- Tolerance (M: ±20%)
- Inductance
- Dimension
- Product Symbol

SHAPES



DIMENSIONS: (UNIT: mm)

Part No.	A (Max)	B (Max)	C (Max)
BS 1813	8.89	6.10	5.08
BS 3308	13.21	9.91	3.50
BS 3316	13.21	9.91	6.35
BS 3340	13.21	9.91	12.43
BS 5022	22.35	16.26	7.87

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ELECTRICAL CHARACTERISTICS FOR BS1813

art No.	Inductance (uH)	RDC (Ω)	IDC (A)
BS1813-R18 □	0.18	0.010	20.00
BS1813-R33 □	0.33	0.010	20.00
BS1813-R47 □	0.47	0.010	20.00
BS1813-R56 □	0.56	0.010	20.00
BS1813-R60 □	0.60	0.014	20.00
BS1813-1R0 □	1.00	0.020	18.00
BS1813-1R2 □	1.20	0.020	16.00
BS1813-1R6 □	1.60	0.021	14.00
BS1813-2R2 □	2.20	0.030	12.40
BS1813-3R3 □	3.30	0.040	9.00
BS1813-6R8 □	6.80	0.090	6.00
BS1813-100 □	10	0.110	5.60
BS1813-150 □	15	0.200	4.00
BS1813-220 □	22	0.250	3.75
BS1813-330 □	33	0.300	3.00
BS1813-470 □	47	0.470	2.40
BS1813-101 □	100	1.110	1.30
BS1813-181 □	180	2.000	1.00
BS1813-331 □	330	3.500	0.55

ELECTRICAL CHARACTERISTICS FOR BS3308

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
BS3308-220 □	22	0.180	2.00
BS3308-330 □	33	0.300	1.65
BS3308-101 □	100	0.840	1.00
BS3308-221 □	220	1.200	0.65
BS3308-102 □	1000	5.200	0.20

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ELECTRICAL CHARACTERISTICS FOR BS3316

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
BS3316-R33 □	0.33	0.005	20.0
BS3316-R68 □	0.68	0.020	20.0
BS3316-1R0 □	1.00	0.020	15.0
BS3316-1R5 □	1.50	0.020	13.0
BS3316-2R2 □	2.20	0.030	11.5
BS3316-3R3 □	3.30	0.035	9.0
BS3316-4R7 □	4.70	0.040	8.0
BS3316-6R8 □	6.80	0.045	6.4
BS3316-100 □	10	0.050	5.6
BS3316-150 □	15	0.060	4.3
BS3316-330 □	33	0.120	3.0
BS3316-470 □	47	0.170	2.5
BS3316-680 □	68	0.220	2.0
BS3316-101 □	100	0.280	1.5
BS3316-151 □	150	0.400	1.4
BS3316-221 □	220	0.610	0.9
BS3316-331 □	330	1.100	0.85
BS3316-471 □	470	1.800	0.8
BS3316-681 □	680	1.900	0.4
BS3316-102 □	1000	3.200	0.3
BS3316-152 □	1500	5.000	0.1

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ELECTRICAL CHARACTERISTICS FOR BS3340

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
BS3340-3R3 □	3.3	0.010	12.0
BS3340-150 □	15	0.050	10.0
BS3340-220 □	22	0.066	8.2
BS3340-330 □	33	0.080	7.0
BS3340-470 □	47	0.100	6.0
BS3340-560 □	56	0.150	5.5
BS3340-680 □	68	0.170	5.1
BS3340-101 □	100	0.220	4.0
BS3340-151 □	150	0.340	2.6
BS3340-221 □	220	0.420	2.4
BS3340-331 □	330	0.590	2.2
BS3340-471 □	470	0.950	1.5
BS3340-102 □	1000	1.600	0.4

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ELECTRICAL CHARACTERISTICS FOR BS5022

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
BS5022-R78 □	0.78	0.004	30.0
BS5022-1R5 □	1.50	0.010	20.0
BS5022-2R2 □	2.20	0.016	20.0
BS5022-3R3 □	3.30	0.018	20.0
BS5022-4R7 □	4.70	0.025	20.0
BS5022-100 □	10	0.030	14.5
BS5022-120 □	12	0.033	13.6
BS5022-150 □	15	0.036	12.0
BS5022-470 □	47	0.087	7.0
BS5022-680 □	68	0.122	6.0
BS5022-151 □	150	0.250	4.0
BS5022-221 □	220	0.330	3.5
BS5022-331 □	330	0.490	2.5

＊100uH 以上 Test Frequency : 1KHZ/1V
＊100uH 以下 Test Frequency : 100KHZ/0.1V