

Power Inductors

Toroid Inductors for Switching Power Supplies

- Current range to 50 Amps
- Maximum temperature rise of 40° C
- Wide range of inductances
- Surface mount design and custom package styles available



ELECTRICAL CHARACTERISTICS @ 25° C

BH PART NUMBER	RATED DC CURRENT (AMPS)	MINIMUM INDUCTANCE AT RATED DC (µH)	MINIMUM INDUCTANCE AT ZERO DC (µH)	DC RESISTANCE MAXIMUM (Ω)	MINIMUM ENERGY STORAGE 1/2 L ₁ ₂	PACKAGE STYLE	LEAD DIA. INCHES
501-1002	2.5	115	230	.12	3.66	1	0.025
501-1005	4.1	140	280	0.86	1185	2	0.032
L01-1009	6.5	140	280	.070	3000	3	0.040
501-1013	10.0	60	120	0.28	3000	3	0.051
501-1015	20.0	6	12	.006	1200	5	N/A
501-1016	20.0	15	30	.010	3200	6	N/A
501-1017	21.0	30	60	.010	6400	7	N/A
501-1020	50.0	4.5	9	.0016	5875	7	N/A
L01-1089	50.0	3.1	4.23	.0089	5875	7	N/A

Note: Part numbers beginning with "L" are RoHS compliant. Contact BH if you have need for RoHS construction.

PACKAGE STYLE	A (inches) millimeters	B (inches) millimeters	C (inches) millimeters	D (inches) millimeters	E (inches) millimeters	F (inches) millimeters	G (inches) millimeters
1	(1.05)	(0.55)	(.400)	(.800)	(.20)	(1.10)	N/A
	26.67	13.97	10.16	20.32	5.08	27.94	N/A
2	(1.45)	(.80)	(.600)	(.900)	(.20)	(1.40)	N/A
	36.83	20.32	15.24	22.86	5.08	35.56	N/A
3	(2.00)	(.95)	(.700)	(1.20)	(.20)	(1.90)	N/A
	50.80	24.13	17.78	30.48	5.08	48.26	N/A
4	(.755)	(.670)	(000)	(000)	(000)	(.390)	N/A
	19.12	17.02	000	000	000	9.91	N/A
5	(1.45)	(.80)	N/A	(.900)	(.25)	(1.40)	6/32
	36.83	20.32	N/A	22.86	6.35	15.56	6/32
6	(2.00)	(.95)	N/A	(1.20)	(.25)	(1.90)	8/32
	50.80	24.13	N/A	30.48	6.35	48.26	8/32
7	(2.16)	(1.12)	N/A	(1.50)	(.25)	(2.20)	10/32
	54.86	28.45	N/A	38.10	6.35	55.88	10/32

NOTE A: Style 5, 6, and 7 leads cut to 6" - Custom length available upon request.

