

BHI series

FEATURES

1. Excellent for use as power supply circuit.
2. Wide inductance range from 0.12 μ H to 560 μ H.
3. Suitable for flow and reflow soldering.
4. Available in various sizes.
5. Excellent solderability and heat resistance.

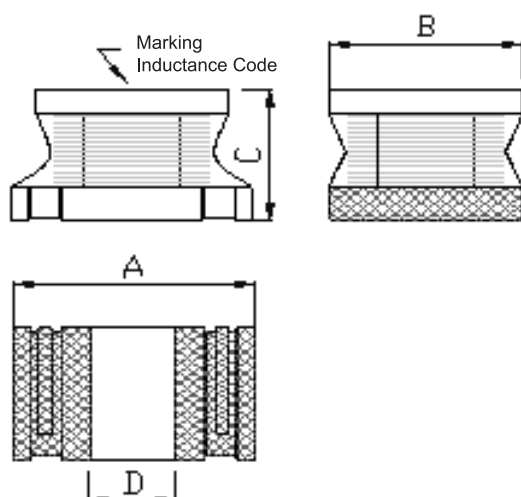


PARTNUMBER

BHI	2015	—	1R0	K	F	V
A	B		C	D	E	F

A: Series
 B: Dimension
 C: Inductance
 D: Inductance Tolerance K=±10%, M=±20%
 E: Lead Free Code
 F: ID Code

DIMENSIONS

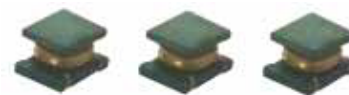


Size	A(mm)	B(mm)	C(mm)	D(mm)
2015	2.0±0.2	1.5±0.2	1.7±0.2	0.8±0.2
2520	2.5±0.2	2.0±0.2	1.8±0.2	0.9±0.3
3216	3.2±0.3	1.6±0.3	1.8±0.3	0.9±0.3
3225	3.2±0.3	2.5±0.3	2.2±0.3	0.9±0.3
4532	4.5±0.3	3.2±0.3	2.6±0.3	0.9±0.3
5750	5.7±0.3	5.0±0.3	4.5±0.3	2.1±0.3



Power Inductor

SMD / Unshielded Type



BHI 2015

BW Part Number	Inductance (μH)	Test Frequency (MHz)	DCR (Ω) Max	Rated Current (mA)
BHI2015-1R0K	1.00±10%	7.96	0.208	700
BHI2015-2R2K	2.20±10%	7.96	0.299	620
BHI2015-4R7K	4.70±10%	7.96	0.520	430
BHI2015-100K	10.0±10%	2.52	0.910	300
BHI2015-220K	22.0±10%	2.52	2.210	220

BHI 2520

BW Part Number	Inductance (μH)	Test Frequency (MHz)	DCR (Ω) Max	Rated Current (mA)
BHI2520-1R0M	1.0±20%	7.96	0.442	475
BHI2520-1R5M	1.5±20%	7.96	0.546	435
BHI2520-2R2M	2.2±20%	7.96	0.650	390
BHI2520-3R3M	3.3±20%	7.96	0.845	340
BHI2520-4R7M	4.7±20%	7.96	1.040	285
BHI2520-6R8M	6.8±20%	7.96	1.300	275
BHI2520-100K	10±10%	2.52	2.197	210
BHI2520-150K	15±10%	2.52	2.860	175
BHI2520-220K	22±10%	2.52	3.640	160
BHI2520-330K	33±10%	2.52	5.460	120

BHI 3216

BW Part Number	Inductance (μH)	Test Frequency (MHz)	DCR (Ω) Max	Rated Current (mA)
BHI3216-R12M	0.12±20%	1.00	0.112	970
BHI3216-R22M	0.22±20%	1.00	0.140	850
BHI3216-R47M	0.47±20%	1.00	0.210	700
BHI3216-1R0M	1.00±20%	1.00	0.364	510
BHI3216-2R2M	2.20±20%	1.00	0.533	430
BHI3216-4R7M	4.70±20%	1.00	0.845	340
BHI3216-100K	10.0±10%	1.00	1.69	230
BHI3216-220K	22.0±10%	1.00	3.90	160
BHI3216-470K	47.0±10%	1.00	10.4	100
BHI3216-101K	100±10%	1.00	15.6	80

BHI 3225

BW Part Number	Inductance (μH)	Test Frequency (MHz)	DCR (Ω) Max	Rated Current (mA)
BHI3225-1R0M	1.0±20%	1.0	0.117	800
BHI3225-2R2M	2.2±20%	1.0	0.169	600
BHI3225-4R7M	4.7±20%	1.0	0.260	450
BHI3225-100K	10.0±10%	1.0	0.572	300
BHI3225-220K	22.0±10%	1.0	0.923	250
BHI3225-470K	47.0±10%	1.0	1.690	170
BHI3225-101K	100±10%	1.0	4.550	100
BHI3225-221K	220±10%	1.0	10.92	70
BHI3225-331K	330±10%	1.0	13.0	60
BHI3225-391K	390±10%	1.0	22.1	60
BHI3225-471K	470±10%	1.0	24.7	60
BHI3225-561K	560±10%	1.0	28.6	60

BHI 4532

BW Part Number	Inductance (μ H)	Test Frequency (MHz)	DCR (Ω) Max	Rated Current (mA)
BHI4532-4R7M	4.7 $\pm$ 20%	1.0	0.15	750
BHI4532-6R8M	6.8 $\pm$ 20%	1.0	0.20	720
BHI4532-100K	10.0 $\pm$ 10%	1.0	0.24	650
BHI4532-150K	15.0 $\pm$ 10%	1.0	0.32	570
BHI4532-220K	22.0 $\pm$ 10%	1.0	0.60	420
BHI4532-330K	33.0 $\pm$ 10%	1.0	1.00	310
BHI4532-470K	47.0 $\pm$ 10%	1.0	1.10	280
BHI4532-680K	68.0 $\pm$ 10%	1.0	1.70	220
BHI4532-101K	100 $\pm$ 10%	1.0	2.20	190
BHI4532-151K	150 $\pm$ 10%	1.0	3.50	130
BHI4532-221K	220 $\pm$ 10%	1.0	4.00	110
BHI4532-331K	330 $\pm$ 10%	1.0	6.80	100
BHI4532-471K	470 $\pm$ 10%	1.0	8.50	90

BHI 5750

BW Part Number	Inductance (μ H)	Test Frequency (MHz)	DCR (Ω) Max	Rated Current (mA)
BHI5750-1R0M	1.00 $\pm$ 20%	1.0	0.020	900
BHI5750-1R2M	1.20 $\pm$ 20%	1.0	0.024	881
BHI5750-1R5M	1.50 $\pm$ 20%	1.0	0.028	780
BHI5750-1R8M	1.80 $\pm$ 20%	1.0	0.032	708
BHI5750-2R2M	2.20 $\pm$ 20%	1.0	0.035	654
BHI5750-2R7M	2.70 $\pm$ 20%	1.0	0.045	583
BHI5750-3R3M	3.30 $\pm$ 20%	1.0	0.054	548
BHI5750-3R9M	3.90 $\pm$ 20%	1.0	0.056	527
BHI5750-4R7M	4.70 $\pm$ 20%	1.0	0.081	448
BHI5750-5R6M	5.60 $\pm$ 20%	1.0	0.100	391
BHI5750-6R8M	6.80 $\pm$ 20%	1.0	0.124	357
BHI5750-8R2M	8.20 $\pm$ 20%	1.0	0.150	328
BHI5750-100M	10.0 $\pm$ 20%	1.0	0.167	306
BHI5750-120M	12.0 $\pm$ 20%	1.0	0.190	295
BHI5750-150M	15.0 $\pm$ 20%	1.0	0.215	263
BHI5750-180M	18.0 $\pm$ 20%	1.0	0.256	246
BHI5750-220M	22.0 $\pm$ 20%	1.0	0.322	221
BHI5750-270M	27.0 $\pm$ 20%	1.0	0.389	175
BHI5750-330M	33.0 $\pm$ 20%	1.0	0.488	178
BHI5750-390M	39.0 $\pm$ 20%	1.0	0.486	170
BHI5750-470M	47.0 $\pm$ 20%	1.0	0.586	150
BHI5750-560M	56.0 $\pm$ 20%	1.0	0.725	145
BHI5750-680M	68.0 $\pm$ 20%	1.0	0.806	130
BHI5750-820M	82.0 $\pm$ 20%	1.0	0.990	115
BHI5750-101K	100.0 $\pm$ 10%	1.0	1.100	105
BHI5750-121K	120.0 $\pm$ 10%	1.0	1.388	97
BHI5750-151K	150.0 $\pm$ 10%	1.0	1.575	94
BHI5750-181K	180.0 $\pm$ 10%	1.0	2.000	84
BHI5750-221K	220.0 $\pm$ 10%	1.0	2.550	72
BHI5750-271K	270.0 $\pm$ 10%	1.0	2.285	67
BHI5750-331K	330.0 $\pm$ 10%	1.0	3.600	60
BHI5750-391K	390.0 $\pm$ 10%	1.0	4.000	55