



Power Inductor

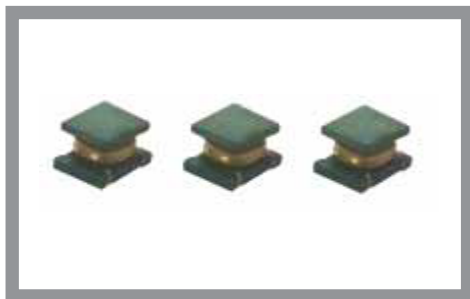
SMD / Unshielded Type



BHQ series

FEATURES

1. Wide inductance range from 0.1 μ H to 2200 μ H.
2. Suitable for flow and reflow soldering.
3. Excellent solderability and heat resistance.
4. The products contain no lead and also support lead-free soldering.
5. High Q value at high frequency and low DC resistance



PARTNUMBER

BHQ	3216	—	1R0	K	F	V
A	B		C	D	E	F

A: Series

B: Dimension

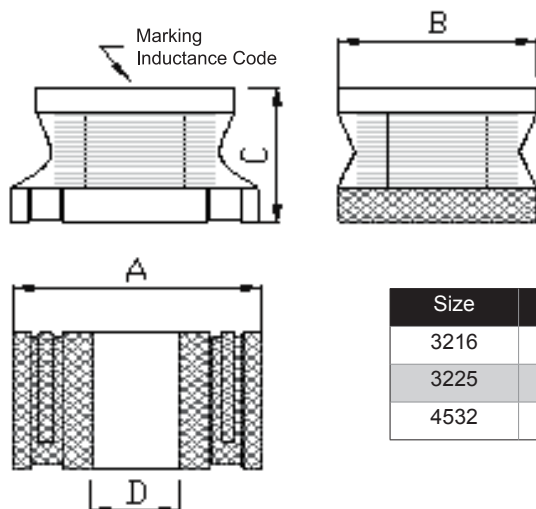
C: Inductance

D: Inductance Tolerance M=±20%, Y=±30%

E: Lead Free Code

F: ID Code

DIMENSIONS



Size	A(mm)	B(mm)	C(mm)	D(mm)
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

BHQ 3216

BW Part Number	Inductance (μ H)	Test Frequency (MHz)	Q Nominal Value (min)	Q Test Frequency (MHz)	Rated Current (mA)	DCR (Ω) Max	SRF (MHz) min
BHQ3216-1R0K	1.0 $\pm$ 10%	1	35	10	175	0.637	100
BHQ3216-1R2K	1.2 $\pm$ 10%	1	35	10	165	1.17	90
BHQ3216-1R5K	1.5 $\pm$ 10%	1	35	10	155	1.3	75
BHQ3216-1R8K	1.8 $\pm$ 10%	1	35	10	150	2.08	60
BHQ3216-2R2K	2.2 $\pm$ 10%	1	35	10	140	0.91	50
BHQ3216-2R7K	2.7 $\pm$ 10%	1	35	10	135	0.715	43
BHQ3216-3R3K	3.3 $\pm$ 10%	1	35	8	130	1.82	38
BHQ3216-3R9K	3.9 $\pm$ 10%	1	35	8	125	1.95	35
BHQ3216-4R7K	4.7 $\pm$ 10%	1	35	8	120	2.21	31
BHQ3216-5R6K	5.6 $\pm$ 10%	1	35	8	115	2.34	28
BHQ3216-6R8K	6.8 $\pm$ 10%	1	35	8	110	2.6	25
BHQ3216-8R2K	8.2 $\pm$ 10%	1	35	8	105	2.86	23
BHQ3216-100K	10 $\pm$ 10%	1	35	5	100	3.25	20
BHQ3216-120K	12 $\pm$ 10%	1	35	5	95	3.51	18
BHQ3216-150K	15 $\pm$ 10%	1	35	5	90	3.9	16
BHQ3216-180K	18 $\pm$ 10%	1	35	5	85	4.42	15
BHQ3216-220K	22 $\pm$ 10%	1	40	2.5	85	4.03	14
BHQ3216-270K	27 $\pm$ 10%	1	40	2.5	85	4.42	13
BHQ3216-330K	33 $\pm$ 10%	1	40	2.5	80	4.94	12
BHQ3216-390K	39 $\pm$ 10%	1	40	2.5	55	9.36	11
BHQ3216-470K	47 $\pm$ 10%	1	40	2.5	55	10.4	10
BHQ3216-560K	56 $\pm$ 10%	1	40	2.5	50	11.57	9
BHQ3216-680K	68 $\pm$ 10%	1	40	2.5	50	12.87	8.5
BHQ3216-820K	82 $\pm$ 10%	1	40	2.5	45	14.3	7.5
BHQ3216-101K	100 $\pm$ 10%	1	40	2.5	45	15.6	7

BHQ 3225

BW Part Number	Inductance (μ H)	Test Frequency (MHz)	Q Nominal Value (min)	Q Test Frequency (MHz)	Rated Current (mA)	DCR (Ω) Max	SRF (MHz) min
BHQ3225-1R0M	1.0 $\pm$ 20%	1	20	1	445	0.5	100
BHQ3225-1R2M	1.2 $\pm$ 20%	1	20	1	425	0.6	100
BHQ3225-1R5K	1.5 $\pm$ 10%	1	20	1	400	0.6	75
BHQ3225-1R8K	1.8 $\pm$ 10%	1	20	1	390	0.7	60
BHQ3225-2R2K	2.2 $\pm$ 10%	1	20	1	370	0.8	50
BHQ3225-2R7K	2.7 $\pm$ 10%	1	20	1	320	0.9	43
BHQ3225-3R3K	3.3 $\pm$ 10%	1	20	1	300	1	38
BHQ3225-3R9K	3.9 $\pm$ 10%	1	20	1	290	1.1	35
BHQ3225-4R7K	4.7 $\pm$ 10%	1	20	1	270	1.2	31
BHQ3225-5R6K	5.6 $\pm$ 10%	1	20	1	250	1.3	28
BHQ3225-6R8K	6.8 $\pm$ 10%	1	20	1	240	1.5	25
BHQ3225-8R2K	8.2 $\pm$ 10%	1	20	1	225	1.6	23
BHQ3225-100K	10 $\pm$ 10%	1	35	1	190	1.8	20
BHQ3225-120K	12 $\pm$ 10%	1	35	1	180	2	18
BHQ3225-150K	15 $\pm$ 10%	1	35	1	170	2.2	16
BHQ3225-180K	18 $\pm$ 10%	1	35	1	165	2.5	15
BHQ3225-220K	22 $\pm$ 10%	1	35	1	150	2.8	14
BHQ3225-270K	27 $\pm$ 10%	1	40	1	125	3.1	13
BHQ3225-330K	33 $\pm$ 10%	1	40	1	115	3.5	12
BHQ3225-390K	39 $\pm$ 10%	1	40	1	110	3.9	11
BHQ3225-470K	47 $\pm$ 10%	1	40	1	100	4.3	11
BHQ3225-560K	56 $\pm$ 10%	1	40	1	85	4.9	10
BHQ3225-680K	68 $\pm$ 10%	1	40	1	80	5.5	9
BHQ3225-820K	82 $\pm$ 10%	1	40	1	70	6.2	8.5
BHQ3225-101K	100 $\pm$ 10%	1	40	0.796	80	7	8
BHQ3225-121K	120 $\pm$ 10%	1	40	0.796	75	8	7.5
BHQ3225-151K	150 $\pm$ 10%	1	40	0.796	70	9.3	7
BHQ3225-181K	180 $\pm$ 10%	1	40	0.796	65	10.2	6
BHQ3225-221K	220 $\pm$ 10%	1	40	0.796	65	11.8	5.5
BHQ3225-271K	270 $\pm$ 10%	1	40	0.796	65	12.5	5
BHQ3225-331K	330 $\pm$ 10%	1	40	0.796	65	13	5
BHQ3225-391K	390 $\pm$ 10%	1	50	0.796	50	22	5
BHQ3225-471K	470 $\pm$ 10%	1 KHz	50	0.796	45	25	5
BHQ3225-561K	560 $\pm$ 10%	1 KHz	50	0.796	40	28	5



Power Inductor

SMD / Unshielded Type



BHQ 4532

BW Part Number	Inductance (μH)	Test Frequency (MHz)	Q Nominal Value (min)	Q Test Frequency (MHz)	Rated Current (mA)	DCR (Ω) Max	SRF (MHz) min
BHQ4532-1R0M	1.0±20%	1	20	1	500	0.2	120
BHQ4532-1R2M	1.2±20%	1	20	1	500	0.2	100
BHQ4532-1R5M	1.5±20%	1	20	1	500	0.3	85
BHQ4532-1R8M	1.8±20%	1	20	1	500	0.3	75
BHQ4532-2R2M	2.2±20%	1	20	1	500	0.3	62
BHQ4532-2R7M	2.7±20%	1	20	1	500	0.32	53
BHQ4532-3R3M	3.3±20%	1	20	1	500	0.35	47
BHQ4532-3R9M	3.9±20%	1	20	1	500	0.38	41
BHQ4532-4R7K	4.7±10%	1	30	1	500	0.4	38
BHQ4532-5R6K	5.6±10%	1	30	1	500	0.47	33
BHQ4532-6R8K	6.8±10%	1	30	1	450	0.5	31
BHQ4532-8R2K	8.2±10%	1	30	1	450	0.56	27
BHQ4532-100K	10±10%	1	35	1	400	0.56	23
BHQ4532-120K	12±10%	1	35	1	380	0.62	21
BHQ4532-150K	15±10%	1	35	1	360	0.73	19
BHQ4532-180K	18±10%	1	35	1	340	0.82	17
BHQ4532-220K	22±10%	1	35	1	320	0.94	15
BHQ4532-270K	27±10%	1	35	1	300	1.1	14
BHQ4532-330K	33±10%	1	35	1	270	1.2	12
BHQ4532-390K	39±10%	1	35	1	240	1.4	11
BHQ4532-470K	47±10%	1	35	1	220	1.5	10
BHQ4532-560K	56±10%	1	35	1	200	1.7	9.3
BHQ4532-680K	68±10%	1	35	1	180	1.9	8.4
BHQ4532-820K	82±10%	1	35	1	170	2.2	7.5
BHQ4532-101K	100±10%	1	40	0.796	160	2.5	6.8
BHQ4532-121K	120±10%	1	40	0.796	150	3.0	6.2
BHQ4532-151K	150±10%	1	40	0.796	130	3.7	5.5
BHQ4532-181K	180±10%	1	40	0.796	120	4.5	5.0
BHQ4532-221K	220±10%	1	40	0.796	110	5.4	4.5
BHQ4532-271K	270±10%	1	40	0.796	100	6.8	4.0
BHQ4532-331K	330±10%	1	40	0.796	95	8.2	3.6
BHQ4532-391K	390±10%	1	40	0.796	90	9.7	3.3
BHQ4532-471K	470±10%	1 KHz	40	0.796	80	11.8	3.0
BHQ4532-561K	560±10%	1 KHz	40	0.796	70	14.5	2.7
BHQ4532-681K	680±10%	1 KHz	40	0.796	65	17	2.5
BHQ4532-821K	820±10%	1 KHz	40	0.796	60	20.5	2.2
BHQ4532-102K	1000±10%	1 KHz	40	0.252	50	25	2.0
BHQ4532-122K	1200±10%	1 KHz	40	0.252	45	30	1.8
BHQ4532-152K	1500±10%	1 KHz	40	0.252	40	37	1.6
BHQ4532-182K	1800±10%	1 KHz	40	0.252	35	45	1.5
BHQ4532-222K	2200±10%	1 KHz	40	0.252	30	50	1.3