



FIXED INDUCTORS

JQL SERIES

FEATURES

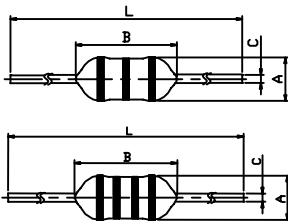
- Extremely reliable inductors for automatic insertion.
- Highly efficient automated production processes can Provide high quality inductors in large volumes.
- Wide selection of configurations including axial leaded, Formed radial leads and bulk products to meet most Manufacturing needs.
- Operating temperature -25 to +85 .

APPLICATIONS

PRODUCT IDENTIFICATION

- Consumer electronics such as VCRs, TVs, audio equipment, Mobile communications, and general electronic appliances.

SHAPES AND DIMENSIONS



DIMENSIONS: (UNIT: mm)

STLYE	A ±0.5	B ±0.5	C ±0.05	D
JQL0204	2	4	0.48	63±2
JQL0307	3	7	0.48	63±2
JQL0410	4	10	0.55	63±2
JQL0510	5	10	0.55	63±2

*** TESTING INSTRUMENT**

INDUCTANCE: HP-4284A OR EQUIVALENT.

D.C.R: HP-34420A OR EQUIVALENT.

RATED CURRENT: HP-4284A & HP-42841A,

HP-E3632A & HP-34420A OR EQUIVALENT.

*** TESTING CONDITION**

INDUCTANCE : BASED ON ELECTRICAL

CHARACTERISTICS

D.C.R. : at 25

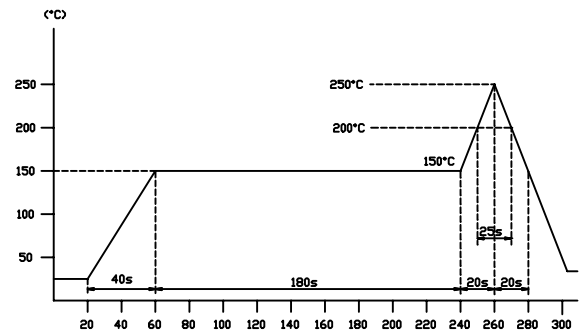
RELATIVE HUMIDITY: 63% ~67%.

II: THE CURRENT WHEN THE INDUCTANCE

DECREASES TO 90% OF INITIAL VALUE.

RECOMMENDED WAVE

SOLDERLING CONDITIONS



JQL 0204 - 220 K B
 (1) (2) (3) (4) (5)

(1): Series name.

(2): Dimensions.

(3): Inductance.

(4): Tolerance: J ± 5%; K ± 10%; L ± 15%;
 M ± 20%; P ± 25%; N ± 30%.

(5): Packing style: B buck; T tape; F foam etc.

MARKING

COLOR	FIRST FIGURE 1	SECOND FIGURE 2	MULTIPLIER 3
BLACK	0	0	1
BROWN	1	1	10
RED	2	2	100
ORANGE	3	3	1000
YELLOW	4	4	-
GREEN	5	5	-
BLUE	6	6	-
VIOLET	7	7	-
GRAY	8	8	-
WHITE	9	9	-
GOLDEN	-	-	0.1
SILVER	-	-	0.01

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I2: THE CURRENT WHEN THE TEMPERATURE INCREMENT IS 20 . (Ta=20)

* THE RATED CURRENT INDICATES THE SMALLER ONE BETWEEN Idc1 AND Idc2.

ELECTRICAL CHARACTERISTICS

STYLE	INDCTANCE (uH)	Q (Min.)	TEST FREQ. (MHz)	S.R.F (MHz) Min.	RESISTANCE () Max.	RATED CURRENT (mA) Max.
JQL0204-R10M	0.1	50	25.2	250	0.03	700
JQL0204-R12M	0.12	55	25.2	230	0.035	660
JQL0204-R15M	0.15	55	25.2	200	0.04	620
JQL0204-R18M	0.18	55	25.2	180	0.045	600
JQL0204-R22M	0.22	55	25.2	160	0.05	400
JQL0204-R27M	0.27	50	25.2	150	0.065	380
JQL0204-R33M	0.33	50	25.2	150	0.075	370
JQL0204-R39M	0.39	50	25.2	150	0.08	350
JQL0204-R47M	0.47	60	25.2	150	0.085	330
JQL0204-R56M	0.56	60	25.2	150	0.09	320
JQL0204-R68M	0.68	50	25.2	120	0.1	310
JQL0204-R82M	0.82	50	25.2	110	0.15	290
JQL0204-1R0K	1.0	50	25.2	110	0.22	270
JQL0204-1R2K	1.2	40	7.96	100	0.3	260
JQL0204-1R5K	1.5	40	7.96	80	0.35	250
JQL0204-1R8K	1.8	40	7.96	65	0.45	240
JQL0204-2R2K	2.2	40	7.96	55	0.55	230
JQL0204-2R7K	2.7	40	7.96	50	0.6	220
JQL0204-3R3K	3.3	40	7.96	42	0.65	210
JQL0204-3R9K	3.9	45	7.96	38	0.85	200
JQL0204-4R7K	4.7	45	7.96	34	1.0	190
JQL0204-5R6K	5.6	45	7.96	32	1.15	180
JQL0204-6R8K	6.8	40	7.96	27	1.2	175
JQL0204-8R2K	8.2	40	7.96	26	1.25	165
JQL0204-100K	10	40	7.96	24	1.5	160
JQL0204-120K	12	50	2.52	19	2.2	150
JQL0204-150K	15	50	2.52	18	2.5	145
JQL0204-180K	18	50	2.52	17	2.8	140
JQL0204-220K	22	50	2.52	16	3	130
JQL0204-270K	27	55	2.52	14	3.5	80
JQL0204-330K	33	55	2.52	13	3.8	76
JQL0204-390K	39	50	2.52	12	4.2	74
JQL0204-470K	47	50	2.52	11	5.8	70
JQL0204-560K	56	50	2.52	10	6.4	68
JQL0204-680K	68	50	2.52	9.5	7.2	64

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JQL0204-820K	82	50	2.52	9.0	8.5	46
JQL0204-101K	100	50	2.52	7.2	11	44
JQL0204-121K	120	30	0.796	6.5	19	42
JQL0204-151K	150	30	0.796	6.0	22	39
JQL0204-181K	180	30	0.796	5.2	24	37
JQL0204-221K	220	30	0.796	4.5	28	35
JQL0204-271K	270	30	0.796	3.5	29	28
JQL0204-331K	330	30	0.796	3.0	30	26
JQL0204-391K	390	30	0.796	2.7	32	25
JQL0204-471K	470	30	0.796	2.6	35	24
JQL0204-561K	560	30	0.796	2.5	40	23
JQL0204-681K	680	30	0.796	2.2	42	22
JQL0204-821K	820	30	0.796	2.1	46	21
JQL0204-102K	1000	30	0.796	2.0	52	20

STYLE	INDUCTANCE (uH)	Q (Min.)	TEST FREQ. (MHz)	S.R.F (MHz) Min.	RESISTANCE () Max.	RATED CURRENT (mA) Max.
JQL0307-R10K	0.1	40	25.2	470	0.08	700
JQL0307-R12K	0.12	40	25.2	450	0.08	700
JQL0307-R15K	0.15	40	25.2	430	0.09	700
JQL0307-R18K	0.18	40	25.2	410	0.1	700
JQL0307-R22K	0.22	40	25.2	380	0.12	700
JQL0307-R27K	0.27	40	25.2	360	0.15	680
JQL0307-R33K	0.33	40	25.2	350	0.16	680
JQL0307-R39K	0.39	40	25.2	320	0.18	680
JQL0307-R47K	0.47	40	25.2	300	0.26	650
JQL0307-R56K	0.56	40	25.2	280	0.38	500
JQL0307-R68K	0.68	40	25.2	250	0.42	500
JQL0307-R82K	0.82	40	25.2	200	0.55	450
JQL0307-1R0K	1	65	25.2	180	0.12	700
JQL0307-1R2K	1.2	50	7.96	165	0.18	700
JQL0307-1R5K	1.5	50	7.96	150	0.2	700
JQL0307-1R8K	1.8	70	7.96	125	0.23	655
JQL0307-2R2K	2.2	50	7.96	85	0.25	630
JQL0307-2R7K	2.7	60	7.96	80	0.28	595
JQL0307-3R3K	3.3	60	7.96	75	0.3	575
JQL0307-3R9K	3.9	60	7.96	65	0.32	555
JQL0307-4R7K	4.7	50	7.96	45	0.35	530
JQL0307-5R6K	5.6	50	7.96	36	0.4	500
JQL0307-6R8K	6.8	50	7.96	30	0.45	470
JQL0307-8R2K	8.2	50	7.96	28	0.55	425
JQL0307-100K	10	50	7.96	22	0.72	370

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JQL0307-120K	12	50	2.52	20	0.8	350
JQL0307-150K	15	50	2.52	16	0.88	335
JQL0307-180K	18	50	2.52	15	1.0	315
JQL0307-220K	22	60	2.52	13	1.2	285
JQL0307-270K	27	60	2.52	11	1.35	270
JQL0307-330K	33	50	2.52	10	1.5	255
JQL0307-390K	39	50	2.52	9.5	1.7	240
JQL0307-470K	47	50	2.52	8.5	2.3	205
JQL0307-560K	56	55	2.52	7.5	2.6	195
JQL0307-680K	68	55	2.52	6.5	3.2	185
JQL0307-820K	82	55	2.52	6.0	3.5	175
JQL0307-101K	100	60	2.52	5.5	3.8	165
JQL0307-121K	120	75	0.796	5.4	3.8	160
JQL0307-151K	150	75	0.796	4.75	4.4	150
JQL0307-181K	180	75	0.796	4.35	5	140
JQL0307-221K	220	75	0.796	4.0	5.7	130
JQL0307-271K	270	70	0.796	3.7	6.5	120
JQL0307-331K	330	70	0.796	3.4	9.5	100
JQL0307-391K	390	70	0.796	2.8	10.5	95
JQL0307-471K	470	70	0.796	2.4	12.5	90
JQL0307-561K	560	70	0.796	2.2	14.5	85
JQL0307-681K	680	70	0.796	2.0	18	75
JQL0307-821K	820	60	0.796	1.6	23.7	65
JQL0307-102K	1000	60	0.796	1.15	30	60

STYLE	INDUCTANCE (uH)	Q (Min.)	TEST FREQ. (MHz)	S.R.F (MHz) Min.	RESISTANCE () Max.	RATED CURRENT (mA) Max.
JQL0410-R10K	0.1	50	25.2	470	0.04	900
JQL0410-R12K	0.12	50	25.2	450	0.06	900
JQL0410-R15K	0.15	50	25.2	430	0.07	890
JQL0410-R18K	0.18	50	25.2	410	0.07	890
JQL0410-R22K	0.22	50	25.2	380	0.08	880
JQL0410-R27K	0.27	50	25.2	340	0.09	800
JQL0410-R33K	0.33	50	25.2	300	0.1	750
JQL0410-R39K	0.39	50	25.2	280	0.12	680
JQL0410-R47K	0.47	50	25.2	250	0.16	650
JQL0410-R56K	0.56	50	25.2	230	0.18	600
JQL0410-R68K	0.68	50	25.2	210	0.22	550
JQL0410-R82K	0.82	50	25.2	172	0.24	980
JQL0410-1R0K	1.0	50	25.2	157	0.09	920

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JQL0410-1R2K	1.2	50	7.96	144	0.1	880
JQL0410-1R5K	1.5	55	7.96	131	0.23	830
JQL0410-1R8K	1.8	60	7.96	121	0.25	790
JQL0410-2R2K	2.2	80	7.96	110	0.28	750
JQL0410-2R7K	2.7	85	7.96	100	0.3	720
JQL0410-3R3K	3.3	90	7.96	94	0.34	670
JQL0410-3R9K	3.9	90	7.96	86	0.37	640
JQL0410-4R7K	4.7	90	7.96	80	0.39	620
JQL0410-5R6K	5.6	80	7.96	74	0.43	590
JQL0410-6R8K	6.8	80	7.96	58	0.48	550
JQL0410-8R2K	8.2	85	7.96	53	0.52	530
JQL0410-100K	10	85	7.96	45	0.58	500
JQL0410-120K	12	75	2.52	30	0.63	480
JQL0410-150K	15	75	2.52	20	0.72	460
JQL0410-180K	18	70	2.52	14	0.77	430
JQL0410-220K	22	65	2.52	7.9	0.84	410
JQL0410-270K	27	65	2.52	7.6	0.94	390
JQL0410-330K	33	55	2.52	6.3	1.03	370
JQL0410-390K	39	55	2.52	6.3	1.12	350
JQL0410-470K	47	45	2.52	6.3	1.22	340
JQL0410-560K	56	45	2.52	6.2	1.34	320
JQL0410-680K	68	40	2.52	5.7	1.47	305
JQL0410-820K	82	35	2.52	5.3	1.62	290
JQL0410-101K	100	30	2.52	4.8	1.8	275
JQL0410-121K	120	70	0.796	3.8	3.7	185
JQL0410-151K	150	80	0.796	3.5	4.2	175
JQL0410-181K	180	80	0.796	3.3	4.6	165
JQL0410-221K	220	70	0.796	3	5.1	155
JQL0410-271K	270	70	0.796	2.8	5.8	145
JQL0410-331K	330	65	0.796	2.6	6.4	137
JQL0410-391K	390	65	0.796	2.4	7.0	133
JQL0410-471K	470	60	0.796	2.25	7.7	126
JQL0410-561K	560	60	0.796	2.1	8.5	120
JQL0410-681K	680	55	0.796	1.95	9.4	113
JQL0410-821K	820	55	0.796	1.85	12	100
JQL0410-102K	1000	50	0.252	1.4	17	100

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JQL0510-122K	1.2	80	0.1	0.252	9	75
JQL0510-152K	1.5	80	0.1	0.252	10	69
JQL0510-182K	1.8	80	0.1	0.252	11	60
JQL0510-222K	2.2	80	0.1	0.252	14	58
JQL0510-272K	2.7	80	0.1	0.252	18	52
JQL0510-332K	3.3	80	0.1	0.252	22	48
JQL0510-392K	3.9	80	0.1	0.252	26	45
JQL0510-472K	4.7	80	0.1	0.252	32	40
JQL0510-562K	5.6	70	0.1	0.252	34	37
JQL0510-682K	6.8	70	0.1	0.252	45	34
JQL0510-822K	8.2	50	0.1	0.252	60	31
JQL0510-103K	10	50	0.1	0.0796	70	28
JQL0510-123K	12	50	0.1	0.0796	82	24
JQL0510-153K	15	50	0.1	0.0796	89	22
JQL0510-183K	18	40	0.1	0.0796	141	14
JQL0510-223K	22	40	0.1	0.0796	170	12
JQL0510-253K	25	40	0.1	0.0796	185	11
JQL0510-273K	27	40	0.1	0.0796	210	9.5
JQL0510-303K	30	40	0.1	0.0796	240	8.5
JQL0510-333K	33	40	0.1	0.0796	250	8

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