

KCWI SERIES Wire Wound Inductor

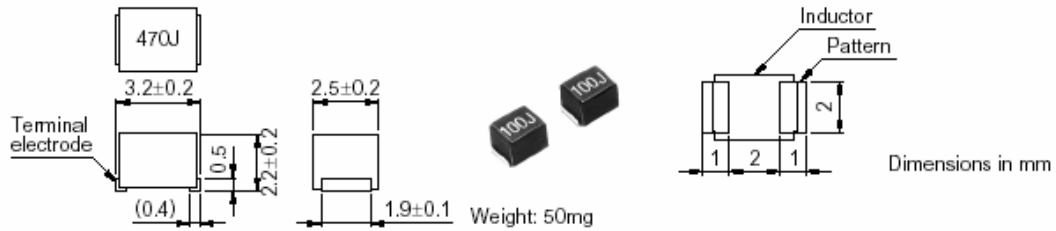
Feature:

1. High resistance to heat and humidity;
2. Resistance to mechanical shocks and pressure;
3. Accurate dimensions for automatically surface mounted.

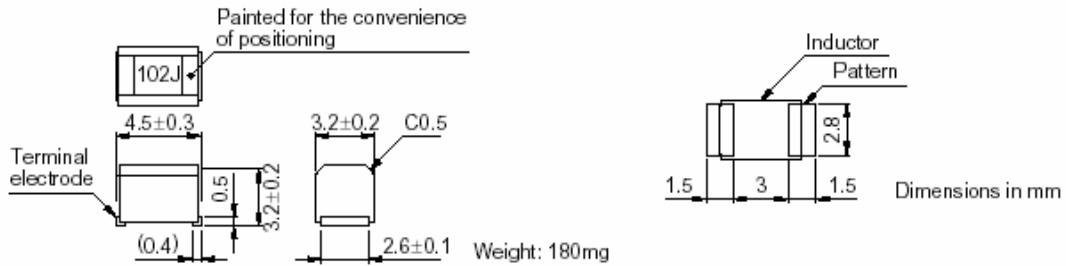
Application:

Communication equipment; Video & audio instruments; Portable electronic products; High speed electronic device;

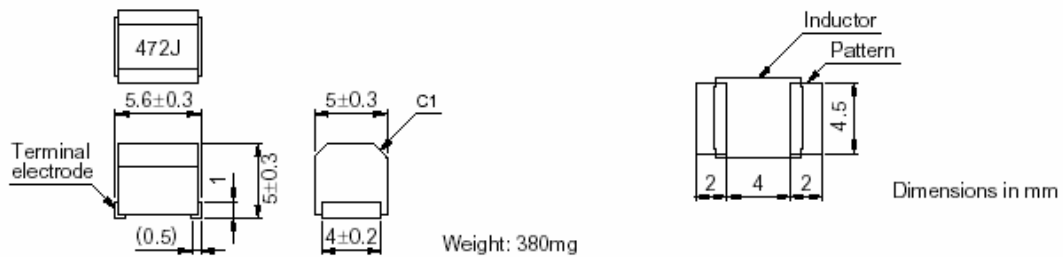
SHAPES AND DIMENSIONS/RECOMMENDED PC BOARD PATTERN



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KCWI322522 Series

Part Number	Inductance (μH)	Tolerance (±%)	Q Min	Test Freq. L(MHz)	SRF(MHz) Min	Rdc(O) max	Rated current (mA)min
KCWI322522-010K-S	0.005	10	15	100	2500	0.13	450
KCWI322522-012K-S	0.01	10	17	100	2300	0.14	450
KCWI322522-015K-S	0.012	10	19	100	2100	0.16	450
KCWI322522-018K-S	0.015	10	21	100	1900	0.18	450
KCWI322522-022K-S	0.018	10	23	100	1700	0.2	450
KCWI322522-027K-S	0.022	10	23	100	1500	0.22	450
KCWI322522-033K-S	0.027	10	25	100	1400	0.24	450
KCWI322522-039K-S	0.033	10	25	100	1300	0.27	450
KCWI322522-047K-S	0.039	10	26	100	1200	0.3	450
KCWI322522-056K-S	0.047	10	26	100	1100	0.33	450
KCWI322522-068K-S	0.056	10	27	100	1000	0.36	450
KCWI322522-082K-S	0.068	10	27	100	900	0.4	450
KCWI322522-R10K-S	0.1	10	28	100	700	0.44	450
KCWI322522-R12K-S	0.12	10	30	100	500	0.22	450
KCWI322522-R15K-S	0.15	10	30	25.2	450	0.25	450
KCWI322522-R18K-S	0.18	10	30	25.2	400	0.28	450
KCWI322522-R22K-S	0.22	10	30	25.2	350	0.32	450
KCWI322522-R27K-S	0.27	10	30	25.2	320	0.36	450
KCWI322522-R33K-S	0.33	10	30	25.2	300	0.4	450
KCWI322522-R39K-S	0.39	10	30	25.2	250	0.45	450
KCWI322522-R47K-S	0.47	10	30	25.2	220	0.5	450
KCWI322522-R56K-S	0.56	10	30	25.2	180	0.55	450
KCWI322522-R68K-S	0.68	10	30	25.2	160	0.6	450
KCWI322522-R82K-S	0.82	10	30	25.2	140	0.65	450
KCWI322522-1R0K-S	1	10	30	7.96	120	0.7	400
KCWI322522-1R2K-S	1.2	10	30	7.96	100	0.75	390
KCWI322522-1R5K-S	1.5	10	30	7.96	85	0.85	370
KCWI322522-1R8K-S	1.8	10	30	7.96	80	0.9	350
KCWI322522-2R2K-S	2.2	10	30	7.96	75	1	320
KCWI322522-2R7K-S	2.7	10	30	7.96	70	1.1	290
KCWI322522-3R3K-S	3.3	10	30	7.96	60	1.2	260
KCWI322522-3R9K-S	3.9	10	30	7.96	55	1.3	250
KCWI322522-4R7K-S	4.7	10	30	7.96	50	1.5	220
KCWI322522-5R6K-S	5.6	10	30	7.96	45	1.6	200
KCWI322522-6R8K-S	6.8	10	30	7.96	40	1.8	180
KCWI322522-8R2K-S	8.2	10	30	7.96	35	2	170
KCWI322522-100K-S	10	10	30	2.52	30	2.1	150
KCWI322522-120K-S	12	10	30	2.52	20	2.5	140
KCWI322522-150K-S	15	10	30	2.52	20	2.8	130
KCWI322522-180K-S	18	10	30	2.52	20	3.3	120
KCWI322522-220K-S	22	10	30	2.52	20	3.7	110
KCWI322522-270K-S	27	10	30	2.52	20	5	80
KCWI322522-330K-S	33	10	30	2.52	17	5.6	70
KCWI322522-390K-S	39	10	30	2.52	16	6.4	65
KCWI322522-470K-S	47	10	30	2.52	15	7	60
KCWI322522-560K-S	56	10	30	2.52	13	8	55
KCWI322522-680K-S	68	10	30	2.52	12	9	50
KCWI322522-820K-S	82	10	30	2.52	11	10	45
KCWI322522-101K-S	100	10	20	0.796	10	10	40
KCWI322522-121K-S	120	10	20	0.796	10	11	70
KCWI322522-151K-S	150	10	20	0.796	8	15	65
KCWI322522-181K-S	180	10	20	0.796	7	17	60
KCWI322522-221K-S	220	10	20	0.796	7	21	50
KCWI322522-271K-S	270	10	20	0.796	6	28	45
KCWI322522-331K-S	330	10	20	0.796	5	34	40

KCWI453232 SERIES

Part Number	Inductance (μH)	Tolerance (±%)	Q Min	Test Freq. L(MHz)	SRF(MHz) Min	Rdc(O) Max	Rated current (mA)min
KCWI453232-R10M-S	0.1	20	28	25.2	700	0.44	450
KCWI453232-R12M-S	0.12	20	30	25.2	500	0.22	450
KCWI453232-R15M-S	0.15	20	30	25.2	450	0.25	450
KCWI453232-R18M-S	0.18	20	30	25.2	400	0.28	450
KCWI453232-R22M-S	0.22	20	30	25.2	350	0.32	450
KCWI453232-R27M-S	0.27	20	30	25.2	320	0.36	450
KCWI453232-R33M-S	0.33	20	30	25.2	300	0.4	450
KCWI453232-R39M-S	0.39	20	30	25.2	250	0.45	450
KCWI453232-R47M-S	0.47	20	30	25.2	220	0.5	450
KCWI453232-R56M-S	0.56	20	30	25.2	180	0.55	450
KCWI453232-R68M-S	0.68	20	30	25.2	160	0.6	450
KCWI453232-R82M-S	0.82	20	30	25.2	140	0.67	450
KCWI453232-1R0K-S	1	10	50	7.96	100	0.5	450
KCWI453232-1R2K-S	1.2	10	50	7.96	80	0.55	430
KCWI453232-1R5K-S	1.5	10	50	7.96	70	0.6	410
KCWI453232-1R8K-S	1.8	10	50	7.96	60	0.65	390
KCWI453232-2R2K-S	2.2	10	50	7.96	55	0.7	380
KCWI453232-2R7K-S	2.7	10	50	7.96	50	0.75	370
KCWI453232-3R3K-S	3.3	10	50	7.96	45	0.8	355
KCWI453232-3R9K-S	3.9	10	50	7.96	40	0.9	330
KCWI453232-4R7K-S	4.7	10	50	7.96	35	1	315
KCWI453232-5R6K-S	5.6	10	50	7.96	33	1.1	300
KCWI453232-6R8K-S	6.8	10	50	7.96	27	1.2	285
KCWI453232-8R2K-S	8.2	10	50	7.96	25	1.4	270
KCWI453232-100K-S	10	10	50	2.52	20	1.6	250
KCWI453232-120K-S	12	10	50	2.52	18	2	225
KCWI453232-150K-S	15	10	50	2.52	17	2.5	200
KCWI453232-180K-S	18	10	50	2.52	15	2.8	190
KCWI453232-220K-S	22	10	50	2.52	13	3.2	180
KCWI453232-270K-S	27	10	50	2.52	12	3.6	170
KCWI453232-330K-S	33	10	50	2.52	11	4	160
KCWI453232-390K-S	39	10	50	2.52	10	4.5	150
KCWI453232-470K-S	47	10	50	2.52	10	5	140
KCWI453232-560K-S	56	10	50	2.52	9	5.5	135
KCWI453232-680K-S	68	10	50	2.52	9	6	130
KCWI453232-820K-S	82	10	50	2.52	8	7	120
KCWI453232-101K-S	100	10	40	0.796	8	8	110
KCWI453232-121K-S	120	10	40	0.796	6	8	110
KCWI453232-151K-S	150	10	40	0.796	5	9	105
KCWI453232-181K-S	180	10	40	0.796	5	9.5	102
KCWI453232-221K-S	220	10	40	0.796	4	12	100
KCWI453232-271K-S	270	10	30	0.796	4	18	92
KCWI453232-331K-S	330	10	30	0.796	3.5	20	85
KCWI453232-391K-S	390	10	30	0.796	3	23	80
KCWI453232-471K-S	470	10	30	0.796	3	26	62
KCWI453232-561K-S	560	10	30	0.796	3	30	50
KCWI453232-681K-S	680	10	30	0.796	3	40	50
KCWI453232-821K-S	820	10	30	0.796	2.5	45	30
KCWI453232-102K-S	1000	10	30	0.796	2.5	50	30

KCWI565050 SERIES

Part Number	Inductance (μ H)	Tolerance (\pm %)	Q Min	Test Freq. L(MHz)	SRF(MHz) Min	Rdc(O) max	Rated current (mA)
KCWI565050-122J-S	1.2	5/10	30	0.252	1.5	17	75
KCWI565050-152J-S	1.5	5/10	30	0.252	1.4	20	70
KCWI565050-182J-S	1.8	5/10	30	0.252	1.3	30	60
KCWI565050-222J-S	2.2	5/10	30	0.252	1.2	35	55
KCWI565050-272J-S	2.7	5/10	30	0.252	1.1	55	45
KCWI565050-332J-S	3.3	5/10	30	0.252	1	60	40
KCWI565050-392J-S	3.9	5/10	30	0.252	1	70	38
KCWI565050-472J-S	4.7	5/10	30	0.252	0.9	78	36
KCWI565050-562J-S	5.6	5/10	30	0.252	0.8	85	33
KCWI565050-682J-S	6.8	5/10	30	0.252	0.7	110	30
KCWI565050-822J-S	8.2	5/10	30	0.252	0.6	125	28
KCWI565050-103J-S	10	5/10	20	0.0796	0.5	150	25

- When ordering, please specify tolerance and packaging codes: e.g. KC1608CW121KGT
Tolerance: G=2%,J=5%,K=10%,M=20%
Packing: T: taping & reel
P: taping
B: bulk
- Inductance measured using HP4291A impedance analyzer with HP16193 test fixture.
- Tolerances in bold are stocked for immediate shipment.
- Q measured using HP 4291A with HP 16193 test fixture.
- SRF measured using Advantest R3767AH network analyzer and SMD-D test fixture.
- DCR measured using HP4286A and HP 16193 test fixture.
- Average current for 15 rise from 25 ambient.
- Operating temperature range -40 to +125 .
- Electrical specifications at 25 .