

Wire Wound SMD Power Inductors – WCR Series

Operating temperature range: -40℃~+125℃ (Including self-heating)



FEATURES

- Magnetic-resin shielded construction reduces buzz noise to ultra-low levels
- Metallization on ferrite core results in excellent shock resistance and damage-free durability
- Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference (EMI)
- 30% higher current rating than conventional inductors of equal size
- Takes up less PCB real estate and save more power

APPLICATIONS

- LED Lighting
- Flat-sWCRreen TVs, blue-ray disc recorders, set top box, movie ameras,smart phone
- Notebooks, desktop computers, servers, graphic cards cards
- Portable gaming devices, personal navigation systems, personal multimedia devices
- Telecomm base stations
- VR,AR

PRODUCT IDENTIFICATION

WCR **3012** **1R0** **N**
① ② ③ ④

① Type	
WCR	Wire Wound SMD Power Inductor

③ Nominal Inductance	
Example	Nominal Value
1R0	1.0μH
100	10μH

④ Inductance Tolerance	
K	±10%
M	±20%
N	±30%

② (L×W×H) [mm] External Dimensions (L×W×H) [mm]	
252012	2.5×2.0×1.2
3010	3.0×3.0×1.0
3012	3.0×3.0×1.2
3015	3.0×3.0×1.5
4012	4.0×4.0×1.2
4018	4.0×4.0×1.8
4020	4.0×4.0×2.0
4026	4.0×4.0×2.6
4030	4.0×4.0×3.0
5012	5.0×5.0×1.2
5015	5.0×5.0×1.5
5020	5.0×5.0×2.0
5030	5.0×5.0×3.0
5040	5.0×5.0×4.0
6015	6.0×6.0×1.5
6020	6.0×6.0×2.0
6028	6.0×6.0×2.8
6045	6.0×6.0×4.5
8040	8.0×8.0×4.0
8050	8.0×8.0×5.0
8065	8.0×8.0×6.5

SHAPE AND DIMENSIONS

Fig.1

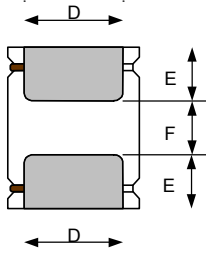
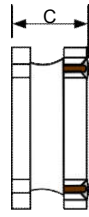
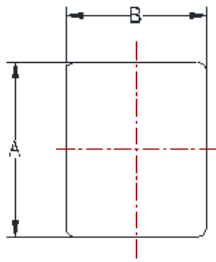


Fig.2

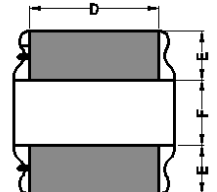
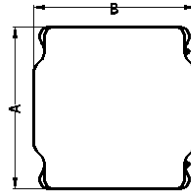


Fig.3

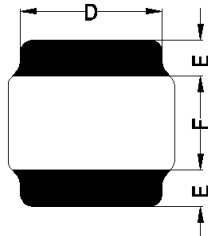
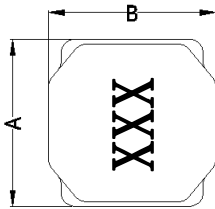
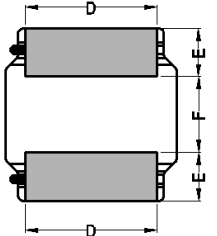
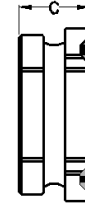
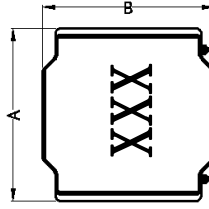
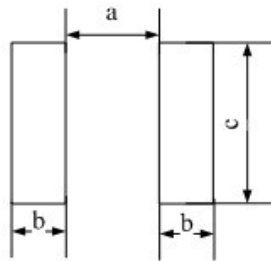


Fig.4



Land Pattern



Unit: mm

Series	Shape	A	B	C	D	E	F	a Typ.	b Typ.	c Typ.
WCR252012	Fig.1	2.5±0.2	2.0±0.2	1.2 ±0.1	1.6±0.2	0.80±0.2	0.80±0.2	0.80	0.85	2.0
WCR3010	Fig.2	3.0±0.2	3.0±0.2	1.0 Max.	2.5±0.3	0.8±0.2	1.4±0.3	1.5	0.8	2.7
WCR3012	Fig.2	3.0±0.2	3.0±0.2	1.2 Max.	2.5±0.3	0.8±0.2	1.4±0.3	1.5	0.8	2.7
WCR3015	Fig.2	3.0±0.2	3.0±0.2	1.5 Max.	2.5±0.3	0.8±0.2	1.4±0.3	1.5	0.8	2.7
WCR4012A	Fig.3	4.0±0.2	4.0±0.2	1.2 Max.	3.3±0.3	1.05±0.3	1.9±0.3	1.9	1.1	3.7
WCR4018	Fig.4	4.0±0.2	4.0±0.2	1.85 Max.	3.3±0.3	1.0±0.3	2.0±0.3	1.9	1.1	3.7
WCR4018A	Fig.3	4.0±0.2	4.0±0.2	1.8 Max.	3.3±0.3	1.0±0.3	2.0±0.3	1.9	1.1	3.7
WCR4020	Fig.4	4.0±0.2	4.0±0.2	2.0 Max.	3.3±0.3	1.0±0.3	2.0±0.3	1.9	1.1	3.7
WCR4026	Fig.4	4.0±0.2	4.0±0.2	2.0 Max.	3.3±0.3	1.0±0.3	2.0±0.3	1.9	1.1	3.7
WCR4030	Fig.4	4.0±0.2	4.0±0.2	3.0 Max.	3.3±0.3	1.0±0.3	2.0±0.3	1.9	1.1	3.7
WCR5012A	Fig.3	5.0±0.2	5.0±0.2	1.2 Max.	4.0±0.3	1.25±0.3	2.5±0.3	2.3	1.4	4.2
WCR5015	Fig.4	5.0±0.2	5.0±0.2	1.5 Max.	4.0±0.3	1.3±0.3	2.4±0.3	2.3	1.4	4.2
WCR5020	Fig.4	5.0±0.2	5.0±0.2	2.2 Max.	4.0±0.3	1.3±0.3	2.4±0.3	2.3	1.4	4.2
WCR5030	Fig.4	5.0±0.2	5.0±0.2	3.0 Max.	4.0±0.3	1.35±0.3	2.3±0.3	2.3	1.4	4.2
WCR5040	Fig.4	5.0±0.2	5.0±0.2	4.0 Max.	4.0±0.3	1.3±0.3	2.4±0.3	2.3	1.4	4.2
WCR6015	Fig.4	6.0±0.3	6.0±0.3	1.5±0.3	4.9±0.2	1.65±0.3	2.7±0.3	2.8	1.7	5.7
WCR6020	Fig.4	6.0±0.3	6.0±0.3	2.0 Max.	4.9±0.3	1.65±0.3	2.7±0.3	2.8	1.7	5.7
WCR6028	Fig.4	6.0±0.3	6.0±0.3	2.8 Max.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
WCR6045	Fig.4	6.0±0.3	6.0±0.3	4.5 Max.	4.9±0.3	1.65±0.3	2.7±0.3	2.8	1.7	5.7
WCR6045H	Fig.4	6.0±0.3	6.0±0.3	4.5 Max.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
WCR8040	Fig.4	8.0±0.3	8.0±0.3	4.2 Max.	6.3±0.3	2.00±0.3	4.0±0.3	3.8	2.2	7.5
WCR8050	Fig.4	8.0±0.3	8.0±0.3	5.0 Max.	6.3±0.3	2.00±0.3	4.0±0.3	3.8	2.2	7.5
WCR8065A	Fig.3	8.0±0.3	8.0±0.3	6.5 Max.	6.3±0.3	2.00±0.3	4.0±0.3	3.8	2.2	7.5

※*1: All products are printed with Marking except the 252012S, 3010S, 3012S and 3015S series.

SPECIFICATIONS



WCR252012 Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±25%	Isat (A)		Irise(A)	Test Condition
				Max	Typ		
WCR252012-R68N	0.68	30	73	2.70	3.10	1.73	100KHz /0.25V
WCR252012-1R0N	1.0	30	85	2.68	3.00	1.58	100KHz /0.25V
WCR252012-1R5M	1.5	20	113	2.24	2.51	1.40	100KHz /0.25V
WCR252012-2R2M	2.2	20	165	1.85	2.07	1.15	100KHz /0.25V
WCR252012-3R3M	3.3	20	200	1.61	1.80	1.04	100KHz /0.25V
WCR252012-4R7M	4.7	20	315	1.18	1.32	0.84	100KHz /0.25V
WCR252012-5R6M	5.6	20	330	1.10	1.26	0.73	100KHz /0.25V
WCR252012-6R8M	6.8	20	447	0.98	1.10	0.69	100KHz /0.25V
WCR252012-8R2M	8.2	20	506	0.98	1.10	0.65	100KHz /0.25V
WCR252012-100M	10	20	575	0.88	0.97	0.62	100KHz/0.25V
WCR252012-150M	15	20	900	0.62	0.68	0.40	100KHz/0.25V

WCR3010 Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise(A)	Test Condition
WCR3010-1R0N	1.0	30	65	1.40	1.45	100KHz /0.25V
WCR3010-1R5N	1.5	30	80	1.27	1.30	100KHz /0.25V
WCR3010-2R2M	2.2	20	110	1.15	1.09	100KHz /0.25V
WCR3010-3R3M	3.3	20	145	0.97	0.96	100KHz /0.25V
WCR3010-4R7M	4.7	20	225	0.75	0.77	100KHz /0.25V
WCR3010-6R8M	6.8	20	305	0.65	0.66	100KHz /0.25V
WCR3010-100M	10	20	400	0.60	0.58	100KHz /0.25V
WCR3010-150M	15	20	610	0.42	0.47	100KHz /0.25V
WCR3010-220M	22	20	930	0.35	0.38	100KHz /0.25V

WCR3012S Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise(A)	Test Condition
WCR3012-R33N	0.33	30	21	3.00	2.90	100KHz /0.25V
WCR3012-R47N	0.47	30	33	2.20	2.20	100KHz /0.25V
WCR3012-R82N	0.82	30	40	2.05	2.10	100KHz /0.25V
WCR3012-1R0N	1.0	30	48	1.90	2.00	100KHz /0.25V
WCR3012-1R5N	1.5	30	55	1.62	1.85	100KHz /0.25V
WCR3012-2R2M	2.2	20	75	1.20	1.55	100KHz /0.25V

SPECIFICATIONS



WCR3012S Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise (A)	Test Condition
WCR3012-3R3M	3.3	20	100	1.05	1.35	100KHz /0.25V
WCR3012-4R7M	4.7	20	120	0.90	1.25	100KHz /0.25V
WCR3012-5R6M	5.6	20	160	0.80	1.10	100KHz /0.25V
WCR3012-6R8M	6.8	20	190	0.75	1.00	100KHz /0.25V
WCR3012-100M	10	20	265	0.60	0.89	100KHz /0.25V
WCR3012-150M	15	20	430	0.45	0.72	100KHz /0.25V
WCR3012-220M	22	20	630	0.42	0.55	100KHz /0.25V
WCR3012-270M	27	20	800	0.35	0.45	100KHz /0.25V
WCR3012-330M	33	20	875	0.36	0.46	100KHz /0.25V
WCR3012-470M	47	20	1450	0.27	0.35	100KHz /0.25V

WCR3015S Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise (A)	Test Condition
WCR3015-R24N	0.24	30	14	4.80	3.50	1MHz /0.25V
WCR3015-R30N	0.30	30	15	4.60	3.50	1MHz /0.25V
WCR3015-R47N	0.47	30	20	4.00	3.50	100KHz /0.25V
WCR3015-R56N	0.56	30	20	3.30	2.80	100KHz /0.25V
WCR3015-1R0N	1.0	30	30	2.32	2.10	100KHz /0.25V
WCR3015-1R5N	1.5	30	50	2.00	1.70	100KHz /0.25V
WCR3015-1R8N	1.8	30	55	1.75	1.65	100KHz /0.25V
WCR3015-2R2N	2.2	30	60	1.60	1.60	100KHz /0.25V
WCR3015-2R7N	2.7	30	70	1.52	1.50	100KHz /0.25V
WCR3015-3R3M	3.3	20	80	1.32	1.36	100KHz /0.25V
WCR3015-3R9M	3.9	20	108	1.20	1.10	100KHz /0.25V
WCR3015-4R7M	4.7	20	125	1.10	1.09	100KHz /0.25V
WCR3015-5R6M	5.6	20	170	1.05	1.00	100KHz /0.25V
WCR3015-6R8M	6.8	20	200	0.85	0.85	100KHz /0.25V
WCR3015-8R2M	8.2	20	230	0.80	0.75	100KHz /0.25V
WCR3015-100M	10	20	250	0.72	0.77	100KHz /0.25V
WCR3015-120M	12	20	288	0.70	0.68	100KHz /0.25V
WCR3015-150M	15	20	350	0.66	0.65	100KHz /0.25V
WCR3015-180M	18	20	430	0.56	0.59	100KHz /0.25V
WCR3015-220M	22	20	460	0.52	0.57	100KHz /0.25V
WCR3015-270M	27	20	630	0.48	0.46	100KHz /0.25V
WCR3015-330M	33	20	780	0.44	0.42	100KHz /0.25V
WCR3015-470M	47	20	1200	0.35	0.32	100KHz /0.25V

SPECIFICATIONS



WCR3021 Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise (A)	Test Condition
WCR3021-1R0N	1.0	30	43	4.00	2.00	100KHz /0.25V
WCR3021-1R2N	1.2	30	47	3.80	1.95	100KHz /0.25V
WCR3021-1R5N	1.5	30	47	3.90	2.00	100KHz /0.25V
WCR3021-2R2N	2.2	30	70	3.20	1.85	100KHz /0.25V
WCR3021-3R3M	3.3	20	92	2.70	1.50	100KHz /0.25V
WCR3021-4R7M	4.7	20	120	2.20	1.20	100KHz /0.25V
WCR3021-6R8M	6.8	20	160	2.00	1.00	100KHz /0.25V
WCR3021-100M	10	20	240	1.40	0.93	100KHz /0.25V
WCR3021-220M	22	20	530	1.00	0.55	100KHz /0.25V
WCR3021-470M	47	20	1000	0.70	0.40	100KHz /0.25V
WCR3021-151M	150	20	4000	0.40	0.16	100KHz /0.25V

WCR4012A Series

Part Number	Inductance	DC Resistance		Saturation Current		Heat Rating Current		Marking
	100KHz/1V	Max.	Typ.	Max.	Typ.	Max.	Typ.	
Units	uH	Ω	Ω	A	A	A	A	
Symbol	L	DCR		Isat		Irise		
WCR4012A-1R0N	1.0±30%	0.055	0.042	2.80	3.00	2.00	2.30	1R0
WCR4012A-1R5N	1.5±30%	0.065	0.051	2.20	2.35	1.80	2.00	1R5
WCR4012A-2R2M	2.2±20%	0.100	0.075	1.76	2.00	1.32	1.90	2R2
WCR4012A-3R3M	3.3±20%	0.100	0.075	1.35	1.65	1.32	1.90	3R3
WCR4012A-4R7M	4.7±20%	0.163	0.125	1.15	1.50	1.00	1.40	4R7
WCR4012A-5R6M	5.6±20%	0.185	0.150	1.00	1.60	1.00	1.20	5R6
WCR4012A-6R8M	6.8±20%	0.228	0.175	1.15	1.30	0.85	1.10	6R8
WCR4012A-100M	10±20%	0.234	0.180	0.85	0.95	0.80	1.00	100
WCR4012A-150M	15±20%	0.400	0.310	0.68	0.80	0.65	0.80	150
WCR4012A-180M	18±20%	0.550	0.430	0.60	0.75	0.55	0.80	180
WCR4012A-220M	22±20%	0.690	0.530	0.50	0.70	0.49	0.75	220
WCR4012A-330M	33±20%	1.00	0.780	0.50	0.60	0.42	0.52	330
WCR4012A-470M	47±20%	1.43	1.10	0.35	0.45	0.37	0.50	470

SPECIFICATIONS



WCR4015 Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise (A)	Test Condition	Marking
WCR4015-1R0N	1.0	30	35	3.30	2.50	100KHz /0.25V	1R0
WCR4015-1R5N	1.5	30	40	2.70	2.20	100KHz /0.25V	1R5
WCR4015-2R2M	2.2	20	53	2.10	2.00	100KHz /0.25V	2R2
WCR4015-3R3M	3.3	20	75	1.90	1.80	100KHz /0.25V	3R3
WCR4015-4R7M	4.7	20	100	1.45	1.35	100KHz /0.25V	4R7
WCR4015-6R8M	6.8	20	135	1.30	1.20	100KHz /0.25V	6R8
WCR4015-100M	10	20	200	1.10	1.00	100KHz /0.25V	100
WCR4015-150M	15	20	300	0.90	0.85	100KHz /0.25V	150
WCR4015-220M	22	20	400	0.72	0.68	100KHz/0.25V	220
WCR4015-330M	33	20	660	0.63	0.58	100KHz/0.25V	330
WCR4015-470M	47	20	975	0.55	0.45	100KHz/0.25V	470
WCR4015-680M	68	20	1600	0.50	0.42	100KHz/0.25V	680

WCR4018 Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise (A)	Test Condition	Marking
WCR4018-R56N	0.56	30	18	6.5	3.5	100KHz /0.25V	R56
WCR4018-1R0N	1.0	30	23	4.5	2.50	100KHz /0.25V	1R0
WCR4018-1R2N	1.2	30	28	4.3	2.40	100KHz /0.25V	1R2
WCR4018-1R5N	1.5	30	33	3.35	2.34	100KHz /0.25V	1R5
WCR4018-1R8N	1.8	30	44	3.00	2.00	100KHz /0.25V	1R8
WCR4018-2R2M	2.2	20	44	2.70	2.00	100KHz /0.25V	2R2
WCR4018-3R3M	3.3	20	70	2.45	1.90	100KHz /0.25V	3R3
WCR4018-4R7M	4.7	20	90	1.70	1.70	100KHz /0.25V	4R7
WCR4018-5R6M	5.6	20	103	1.60	1.50	100KHz /0.25V	5R6
WCR4018-6R8M	6.8	20	124	1.45	1.30	100KHz /0.25V	6R8
WCR4018-8R2M	8.2	20	180	1.40	1.15	100KHz /0.25V	8R2
WCR4018-100M	10	20	200	1.30	1.10	100KHz /0.25V	100
WCR4018-120M	12	20	230	1.15	0.95	100KHz /0.25V	120
WCR4018-150M	15	20	268	0.94	0.92	100KHz /0.25V	150
WCR4018-180M	18	20	320	0.86	0.61	100KHz /0.25V	180
WCR4018-220M	22	20	390	0.80	0.80	100KHz /0.25V	220
WCR4018-330M	33	20	560	0.65	0.60	100KHz /0.25V	330
WCR4018-470M	47	20	850	0.57	0.50	100KHz /0.25V	470

SPECIFICATIONS



WCR4018A Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise (A)	Test Condition	Marking
WCR4018A-1R0N	1.0	30	27	4.00	3.20	100KHz /1.0V	1R0
WCR4018A-1R5N	1.5	30	37	3.30	2.40	100KHz /1.0V	1R5
WCR4018A-2R2M	2.2	20	42	3.00	2.20	100KHz /1.0V	2R2
WCR4018A-3R3M	3.3	20	55	2.30	2.00	100KHz /1.0V	3R3
WCR4018A-4R7M	4.7	20	70	2.00	1.70	100KHz /1.0V	4R7
WCR4018A-6R8M	6.8	20	98	1.60	1.45	100KHz /1.0V	6R8
WCR4018A-100M	10	20	150	1.30	1.20	100KHz /1.0V	100
WCR4018A-150M	15	20	210	1.10	0.85	100KHz /1.0V	150
WCR4018A-220M	22	20	290	0.90	0.72	100KHz /1.0V	220
WCR4018A-330M	33	20	480	0.70	0.55	100KHz /1.0V	330
WCR4018A-101M	100	20	1450	0.42	0.28	100KHz /1.0V	101

WCR4020 Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise (A)	Test Condition	Marking
WCR4020-R33N	0.33	30	13	7.50	3.30	100KHz /0.25V	R33
WCR4020-R47N	0.47	30	18	7.50	3.30	100KHz /0.25V	R47
WCR4020-R68N	0.68	30	24	7.00	3.20	100KHz /0.25V	R68
WCR4020-1R0N	1.0	30	28	5.10	2.15	100KHz /0.25V	1R0
WCR4020-1R2N	1.2	30	29	4.70	2.10	100KHz /0.25V	1R2
WCR4020-1R5N	1.5	30	35	4.45	1.98	100KHz /0.25V	1R5
WCR4020-1R8N	1.8	30	45	4.00	1.90	100KHz /0.25V	1R8
WCR4020-2R2M	2.2	20	45	3.40	1.85	100KHz /0.25V	2R2
WCR4020-3R3M	3.3	20	70	3.20	1.40	100KHz /0.25V	3R3
WCR4020-4R7M	4.7	20	80	2.35	1.34	100KHz /0.25V	4R7
WCR4020-5R6M	5.6	20	95	2.20	1.22	100KHz /0.25V	5R6
WCR4020-6R8M	6.8	20	125	2.00	1.04	100KHz /0.25V	6R8
WCR4020-8R2M	8.2	20	150	1.75	1.00	100KHz /0.25V	8R2
WCR4020-100M	10	20	165	1.60	0.90	100KHz /0.25V	100
WCR4020-120M	12	20	175	1.50	0.88	100KHz /0.25V	120
WCR4020-150M	15	20	230	1.35	0.77	100KHz /0.25V	150
WCR4020-220M	22	20	350	1.05	0.62	100KHz /0.25V	220
WCR4020-330M	33	20	500	0.85	0.49	100KHz /0.25V	330
WCR4020-470M	47	20	710	0.74	0.44	100KHz /0.25V	470
WCR4020-560M	56	20	800	0.68	0.40	100KHz /0.25V	560
WCR4020-680M	68	20	1250	0.60	0.35	100KHz /0.25V	680

SPECIFICATIONS



WCR4026 Series

Part Number	Inductance	DC Resistance		Saturation Current		Heat Rating Current		Marking
		Max.	Typ.	Max.	Typ.	Max.	Typ.	
		100KHz/1V						
		uH	Ω	Ω	A	A	A	
Units	L	DCR		Isat		Irise		
Symbol								
WCR4026-1R0N	$1.0 \pm 30\%$	0.034	0.025	3.30	3.60	2.90	3.30	1R0
WCR4026-1R5N	$1.5 \pm 30\%$	0.039	0.030	2.50	3.80	2.20	3.00	1R5
WCR4026-2R2M	$2.2 \pm 20\%$	0.052	0.040	2.10	2.40	1.80	2.80	2R2
WCR4026-3R3M	$3.3 \pm 20\%$	0.069	0.053	1.90	2.20	1.60	2.40	3R3
WCR4026-4R7M	$4.7 \pm 20\%$	0.076	0.058	1.70	2.00	1.50	2.20	4R7
WCR4026-6R8M	$6.8 \pm 20\%$	0.112	0.088	1.50	1.70	1.20	1.80	6R8
WCR4026-100M	$10 \pm 20\%$	0.145	0.110	1.20	1.40	1.00	1.60	100
WCR4026-150M	$15 \pm 20\%$	0.203	0.156	1.10	1.30	1.00	1.30	150
WCR4026-220M	$22 \pm 20\%$	0.300	0.230	0.95	1.20	0.75	1.10	220
WCR4026-330M	$33 \pm 20\%$	0.455	0.350	0.90	1.10	0.50	0.90	330
WCR4026-470M	$47 \pm 20\%$	0.618	0.480	0.80	1.00	0.50	0.80	470
WCR4026-680M	$68 \pm 20\%$	0.891	0.690	0.72	0.86	0.48	0.68	680
WCR4026-101M	$100 \pm 20\%$	1.60	1.20	0.50	0.60	0.30	0.48	101

WCR4030 Series

Part Number	Inductance (uH)	Tolerance ($\pm\%$)	DCR(m Ω) $\pm 30\%$	Isat (A)	Irise (A)	Test Condition	Marking
WCR4030-R47N	0.47	30	11	7.50	3.50	100kHz /0.25V	R47
WCR4030-R56N	0.56	30	14	6.00	4.00	100kHz /0.25V	R56
WCR4030-1R0N	1.0	30	15	5.90	3.40	100kHz /0.25V	1R0
WCR4030-1R5N	1.5	30	25	4.85	3.30	100kHz /0.25V	1R5
WCR4030-1R8N	1.8	30	30	4.25	3.20	100kHz /0.25V	1R8
WCR4030-2R2M	2.2	20	35	4.10	2.95	100kHz /0.25V	2R2
WCR4030-3R3M	3.3	20	40	3.30	2.40	100kHz /0.25V	3R3
WCR4030-3R6M	3.6	20	53	3.10	2.30	100kHz /0.25V	3R6
WCR4030-3R9M	3.9	20	57	3.00	2.10	100kHz /0.25V	3R9
WCR4030-4R7M	4.7	20	60	2.90	2.00	100kHz /0.25V	4R7
WCR4030-5R6M	5.6	20	70	2.75	1.95	100kHz /0.25V	5R6
WCR4030-6R8M	6.8	20	75	2.60	1.70	100kHz /0.25V	6R8
WCR4030-7R5M	7.5	20	90	2.20	1.65	100kHz /0.25V	7R5
WCR4030-8R2M	8.2	20	100	2.10	1.60	100kHz /0.25V	8R2
WCR4030-100M	10	20	115	1.95	1.50	100kHz /0.25V	100
WCR4030-120M	12	20	140	1.70	1.35	100kHz /0.25V	120

SPECIFICATIONS



WCR4030 Series

Part Number	Inductance (μ H)	Tolerance ($\pm\%$)	DCR(m Ω) $\pm 30\%$	Isat (A)	Irise (A)	Test Condition	Marking
WCR4030-150M	15	20	190	1.65	1.15	100kHz /0.25V	150
WCR4030-180M	18	20	215	1.40	1.10	100kHz /0.25V	180
WCR4030-220M	22	20	225	1.30	1.00	100kHz /0.25V	220
WCR4030-330M	33	20	330	1.10	0.84	100kHz /0.25V	330
WCR4030-470M	47	20	500	0.90	0.72	100kHz /0.25V	470
WCR4030-560M	56	20	560	0.85	0.65	100kHz /0.25V	560
WCR4030-680M	68	20	750	0.75	0.55	100kHz /0.25V	680
WCR4030-820M	82	20	950	0.68	0.50	100kHz /0.25V	820
WCR4030-101M	100	20	1150	0.60	0.45	100kHz /0.25V	101
WCR4030-151M	150	20	2350	0.50	0.35	100kHz /0.25V	151
WCR4030-181M	180	20	2500	0.40	0.35	100kHz /0.25V	181
WCR4030-221M	220	20	3000	0.40	0.30	100kHz /0.25V	221
WCR4030-331M	330	20	4400	0.30	0.23	100kHz /0.25V	331
WCR4030-471M	470	20	5500	0.30	0.20	100kHz /0.25V	471

WCR5012A Series

Part Number	Inductance (μ H)	Tolerance ($\pm\%$)	DCR(m Ω) $\pm 30\%$	Isat (A)	Irise (A)	Test Condition	Marking
WCR5012A-1R0M	1.0	20	57	4.40	2.40	100KHz /0.25V	1R0
WCR5012A-1R5M	1.5	20	72	3.70	2.25	100KHz /0.25V	1R5
WCR5012A-2R2M	2.2	20	90	3.10	2.00	100KHz /0.25V	2R2
WCR5012A-3R3M	3.3	20	126	2.45	1.70	100KHz /0.25V	3R3
WCR5012A-4R7M	4.7	20	164	2.20	1.50	100KHz /0.25V	4R7
WCR5012A-5R6M	5.6	20	230	2.00	1.10	100KHz /0.25V	5R6
WCR5012A-6R8M	6.8	20	245	1.75	1.25	100KHz /0.25V	6R8
WCR5012A-100M	10	20	344	1.40	1.05	100KHz /0.25V	100
WCR5012A-150M	15	20	480	1.25	0.92	100KHz /0.25V	150

WCR5015 Series

Part Number	Inductance (μ H)	Tolerance ($\pm\%$)	DCR(m Ω) $\pm 30\%$	Isat (A)	Irise (A)	Test Condition	Marking
WCR5015-R22N	0.22	30	20	7.6	3.50	1MHz/0.25V	R22
WCR5015-R68N	0.68	30	28	6.0	2.90	1MHz/0.25V	R68
WCR5015-1R0N	1.0	30	35	4.50	2.80	100KHz /0.25V	1R0
WCR5015-1R5N	1.5	30	50	3.50	2.50	100KHz /0.25V	1R5
WCR5015-2R2N	2.2	30	65	3.00	2.20	100KHz /0.25V	2R2

SPECIFICATIONS



WCR5015 Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise (A)	Test Condition	Marking
WCR5015-3R3N	3.3	30	80	2.50	1.90	100KHz /0.25V	3R3
WCR5015-4R7N	4.7	30	100	2.10	1.60	100KHz /0.25V	4R7
WCR5015-6R8M	6.8	20	150	1.65	1.40	100KHz /0.25V	6R8
WCR5015-100M	10	20	200	1.45	1.20	100KHz /0.25V	100
WCR5015-150M	15	20	320	1.20	0.85	100KHz /0.25V	150
WCR5015-220M	22	20	450	1.10	0.75	100KHz /0.25V	220
WCR5015-330M	33	20	780	0.95	0.58	100KHz /0.25V	330
WCR5015-470M	47	20	1200	0.88	0.40	100KHz /0.25V	470
WCR5015-680M	68	20	1900	0.72	0.35	100KHz /0.25V	680

WCR5020 Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise (A)	Test Condition	Marking
WCR5020-R22N	0.22	30	11	6.00	5.00	100KHz /0.25V	R22
WCR5020-R24N	0.24	30	11	6.00	5.00	100KHz /0.25V	R24
WCR5020-R33N	0.33	30	15	7.50	3.95	100KHz /0.25V	R33
WCR5020-R47N	0.47	30	15	4.85	3.95	100KHz /0.25V	R47
WCR5020-1R0N	1.0	30	20	4.33	3.70	100KHz /0.25V	1R0
WCR5020-1R2N	1.2	30	25	4.20	3.50	100KHz /0.25V	1R2
WCR5020-1R5N	1.5	30	26	4.10	3.20	100KHz /0.25V	1R5
WCR5020-1R8N	1.8	30	30	4.00	3.00	100KHz /0.25V	1R8
WCR5020-2R2N	2.2	30	38	3.85	2.90	100KHz /0.25V	2R2
WCR5020-2R7N	2.7	30	45	3.50	2.40	100KHz /0.25V	2R7
WCR5020-3R3N	3.3	30	46	3.25	2.40	100KHz /0.25V	3R3
WCR5020-3R3N	3.3	30	46	3.25	2.40	100KHz /0.25V	3R3
WCR5020-3R6N	3.6	30	48	2.90	2.30	100KHz /0.25V	3R6
WCR5020-3R9N	3.9	30	50	2.90	2.15	100KHz /0.25V	3R9
WCR5020-4R7M	4.7	20	65	2.40	2.05	100KHz /0.25V	4R7
WCR5020-5R6M	5.6	20	72	2.30	1.85	100KHz /0.25V	5R6
WCR5020-6R8M	6.8	20	92	2.10	1.70	100KHz /0.25V	6R8
WCR5020-8R2M	8.2	20	100	1.90	1.60	100KHz /0.25V	8R2
WCR5020-100M	10	20	125	1.80	1.50	100KHz /0.25V	100
WCR5020-150M	15	20	180	1.44	1.25	100KHz /0.25V	150
WCR5020-220M	22	20	250	1.18	1.05	100KHz /0.25V	220
WCR5020-270M	27	20	300	1.10	1.00	100KHz /0.25V	270
WCR5020-330M	33	20	370	0.97	0.83	100KHz /0.25V	330
WCR5020-470M	47	20	560	0.81	0.70	100KHz /0.25V	470

SPECIFICATIONS



WCR5020 Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise (A)	Test Condition	Marking
WCR5020-680M	68	20	850	0.70	0.53	100KHz /0.25V	680
WCR5020-820M	82	20	950	0.65	0.50	100KHz /0.25V	820
WCR5020-101M	100	20	1100	0.57	0.43	100KHz /0.25V	101
WCR5020-151M	150	20	1500	0.41	0.40	100KHz /0.25V	151
WCR5020-221M	220	20	2230	0.35	0.30	100KHz /0.25V	221

WCR5030 Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise (A)	Test Condition	Marking
WCR5030-R47N	0.47	30	10	9.00	5.00	100KHz /0.25V	R47
WCR5030-1R0N	1.0	30	15	6.65	4.00	100KHz /0.25V	1R0
WCR5030-1R5N	1.5	30	16	6.0	3.90	100KHz /0.25V	1R5
WCR5030-2R2M	2.2	20	23	4.20	3.50	100KHz /0.25V	2R2
WCR5030-3R3M	3.3	20	30	3.60	3.00	100KHz /0.25V	3R3
WCR5030-4R7M	4.7	20	35	3.10	2.60	100KHz /0.25V	4R7
WCR5030-6R8M	6.8	20	52	2.50	2.30	100KHz /0.25V	6R8
WCR5030-100M	10	20	70	2.10	1.70	100KHz /0.25V	100
WCR5030-150M	15	20	125	1.60	1.40	100KHz /0.25V	150
WCR5030-220M	22	20	180	1.40	1.05	100KHz /0.25V	220
WCR5030-270M	27	20	190	1.30	0.90	100KHz /0.25V	270
WCR5030-330M	33	20	225	1.15	0.80	100KHz /0.25V	330
WCR5030-470M	47	20	325	0.95	0.70	100KHz /0.25V	470
WCR5030-560M	56	20	420	0.89	0.63	100KHz /0.25V	560
WCR5030-680M	68	20	475	0.85	0.68	100KHz /0.25V	680
WCR5030-101M	100	20	720	0.71	0.65	100KHz /0.25V	101
WCR5030-151M	150	20	1050	0.60	0.55	100KHz /0.25V	151
WCR5030-221M	220	20	1300	0.55	0.45	100KHz /0.25V	221

WCR5040 Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise (A)	Test Condition	Marking
WCR5040-1R0N	1.0	30	13	7.35	4.90	100KHz /0.25V	1R0
WCR5040-1R5N	1.5	30	15	6.30	4.30	100KHz /0.25V	1R5
WCR5040-1R8N	1.8	30	18	6.10	3.90	100KHz /0.25V	1R8
WCR5040-2R2N	2.2	30	19	4.90	3.80	100KHz /0.25V	2R2
WCR5040-2R7N	2.7	30	22	4.30	3.60	100KHz /0.25V	2R7
WCR5040-3R3N	3.3	30	24	3.95	3.40	100KHz /0.25V	3R3
WCR5040-3R9N	3.9	30	27	3.55	3.20	100KHz /0.25V	3R9

SPECIFICATIONS



WCR5040 Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise (A)	Test Condition	Marking
WCR5040-4R7N	4.7	30	30	3.50	3.00	100KHz /0.25V	4R7
WCR5040-5R6M	5.6	20	33	3.20	2.80	100KHz /0.25V	5R6
WCR5040-6R8M	6.8	20	43	2.90	2.50	100KHz /0.25V	6R8
WCR5040-8R2M	8.2	20	55	3.00	2.30	100KHz /0.25V	8R2
WCR5040-100M	10	20	64	2.35	2.10	100KHz /0.25V	100
WCR5040-150M	15	20	86	2.00	2.00	100KHz /0.25V	150
WCR5040-220M	22	20	129	1.60	1.50	100KHz /0.25V	220
WCR5040-270M	27	20	165	1.50	1.30	100KHz /0.25V	270
WCR5040-330M	33	20	188	1.30	1.20	100KHz /0.25V	330
WCR5040-390M	39	20	225	1.20	1.10	100KHz /0.25V	390
WCR5040-470M	47	20	270	1.10	1.00	100KHz /0.25V	470
WCR5040-560M	56	20	375	1.00	0.90	100KHz /0.25V	560
WCR5040-680M	68	20	400	0.90	0.80	100KHz /0.25V	680
WCR5040-101M	100	20	560	0.75	0.70	100KHz /0.25V	101

WCR6015 Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise (A)	Test Condition	Marking
WCR6015-1R2N	1.2	30	35	4.20	2.80	100KHz /0.25V	1R2
WCR6015-2R2N	2.2	30	50	3.10	2.30	100KHz /0.25V	2R2
WCR6015-3R3N	3.3	30	60	2.60	2.10	100KHz /0.25V	3R3
WCR6015-4R7M	4.7	20	90	2.10	1.90	100KHz /0.25V	4R7
WCR6015-5R6M	5.6	20	92	2.00	1.80	100KHz /0.25V	5R6
WCR6015-6R8M	6.8	20	115	1.80	1.65	100KHz /0.25V	6R8
WCR6015-100M	10	20	155	1.45	1.35	100KHz /0.25V	100
WCR6015-150M	15	20	220	1.20	1.20	100KHz /0.25V	150
WCR6015-220M	22	20	320	1.00	1.00	100KHz /0.25V	220

WCR6020 Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise (A)	Test Condition	Marking
WCR6020-R68N	0.68	30	15	7.50	3.80	100KHz /0.25V	R68
WCR6020-1R0N	1.0	30	20	4.80	3.50	100KHz /0.25V	1R0
WCR6020-1R2N	1.2	30	20	4.30	3.50	100KHz /0.25V	1R2
WCR6020-1R5N	1.5	30	25	4.30	3.20	100KHz /0.25V	1R5

SPECIFICATIONS



WCR6020 Series

Part Number	Inductance (μ H)	Tolerance ($\pm\%$)	DCR(m Ω) $\pm 30\%$	Isat (A)	Irise (A)	Test Condition	Marking
WCR6020-2R2N	2.2	30	35	3.75	2.75	100KHz /0.25V	2R2
WCR6020-3R3N	3.3	30	45	3.15	2.60	100KHz /0.25V	3R3
WCR6020-4R7N	4.7	30	58	3.00	2.00	100KHz /0.25V	4R7
WCR6020-5R6M	5.6	20	70	2.40	1.90	100KHz /0.25V	5R6
WCR6020-6R8M	6.8	20	85	2.20	1.80	100KHz /0.25V	6R8
WCR6020-100M	10	20	120	1.75	1.40	100KHz /0.25V	100
WCR6020-150M	15	20	160	1.50	1.20	100KHz /0.25V	150
WCR6020-220M	22	20	240	1.25	1.00	100KHz /0.25V	220
WCR6020-270M	27	20	350	1.15	0.95	100KHz /0.25V	270
WCR6020-330M	33	20	400	1.10	0.90	100KHz /0.25V	330
WCR6020-470M	47	20	500	1.00	0.80	100KHz /0.25V	470
WCR6020-680M	68	20	815	0.80	0.68	100KHz /0.25V	680

WCR6028 Series

Part Number	Inductance (μ H)	Tolerance ($\pm\%$)	DCR(m Ω) $\pm 30\%$	Isat (A)	Irise (A)	Test Condition	Marking
WCR6028-1R0N	1.0	30	12	6.70	4.60	100KHz /0.25V	1R0
WCR6028-1R2N	1.2	30	16	6.50	4.30	100KHz /0.25V	1R2
WCR6028-1R5N	1.5	30	16	6.00	4.30	100KHz /0.25V	1R5
WCR6028-1R8N	1.8	30	19	5.30	4.10	100KHz /0.25V	1R8
WCR6028-2R2N	2.2	30	20	5.10	3.75	100KHz /0.25V	2R2
WCR6028-3R3N	3.3	30	25	3.63	3.40	100KHz /0.25V	3R3
WCR6028-4R7N	4.7	30	33	3.00	3.00	100KHz /0.25V	4R7
WCR6028-5R6N	5.6	30	45	2.80	2.45	100KHz /0.25V	5R6
WCR6028-6R8M	6.8	20	56	2.60	2.40	100KHz /0.25V	6R8
WCR6028-8R2M	8.2	20	68	2.40	2.25	100KHz /0.25V	8R2
WCR6028-100M	10	20	78	2.05	1.90	100KHz /0.25V	100
WCR6028-120M	12	20	88	1.80	1.70	100KHz /0.25V	120
WCR6028-150M	15	20	125	1.75	1.50	100KHz /0.25V	150
WCR6028-180M	18	20	130	1.55	1.45	100KHz /0.25V	180
WCR6028-220M	22	20	140	1.45	1.40	100KHz /0.25V	220
WCR6028-270M	27	20	180	1.40	1.30	100KHz /0.25V	270
WCR6028-330M	33	20	220	1.35	1.10	100KHz /0.25V	330
WCR6028-390M	39	20	225	1.25	1.10	100KHz /0.25V	390

SPECIFICATIONS



WCR6028 Series

Part Number	Inductance (μ H)	Tolerance ($\pm\%$)	DCR(m Ω) $\pm 30\%$	Isat (A)	Irise (A)	Test Condition	Marking
WCR6028-470M	47	20	280	1.15	1.05	100KHz /0.25V	470
WCR6028-680M	68	20	420	0.95	0.85	100KHz /0.25V	680
WCR6028-820M	82	20	550	0.80	0.70	100KHz /0.25V	820
WCR6028-101M	100	20	670	0.65	0.60	100KHz /0.25V	101
WCR6028-121M	120	20	820	0.62	0.58	100KHz /0.25V	121

WCR6045H Series

Part Number	Inductance (μ H)	Tolerance ($\pm\%$)	DCR(m Ω) $\pm 30\%$	Isat (A)	Irise (A)	Test Condition	MARKING
WCR6045H-1R0N	1.0	30	12.0	12.2	6.5	100KHz /1.0V	1R0
WCR6045H-1R5N	1.5	30	15.0	10.4	5.9	100KHz /1.0V	1R5
WCR6045H-2R2M	2.2	20	18.4	8.8	5.1	100KHz /1.0V	2R2
WCR6045H-3R3M	3.3	20	24.0	7.5	4.3	100KHz /1.0V	3R3
WCR6045H-4R7M	4.7	20	31.0	6.7	3.9	100KHz /1.0V	4R7
WCR6045H-5R6M	5.6	20	43.0	5.8	3.5	100KHz /1.0V	5R6
WCR6045H-6R8M	6.8	20	43.0	5.3	3.2	100KHz /1.0V	6R8
WCR6045H-100M	10	20	57.0	4.5	2.7	100KHz /1.0V	100
WCR6045H-470M	47	20	245	2.0	1.3	100KHz /1.0V	470
WCR6045H-680M	68	20	350	1.8	0.98	100KHz /1.0V	680
WCR6045H-101M	100	20	500	1.3	0.9	100KHz /1.0V	101

SPECIFICATIONS



WCR6045 Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise (A)	Test Condition	MARKING
WCR6045-R56N	0.56	30	7.5	14.5	6.20	1MH /0.25V	R56
WCR6045-1R0N	1.0	30	10	9.00	5.10	100KHz /0.25V	1R0
WCR6045-1R5N	1.5	30	12	7.50	4.75	100KHz /0.25V	1R5
WCR6045-1R8N	1.8	30	13	7.50	4.60	100KHz /0.25V	1R8
WCR6045-2R2N	2.2	30	13	6.50	4.60	100KHz /0.25V	2R2
WCR6045-3R3N	3.3	30	20	5.30	3.20	100KHz /0.25V	3R3
WCR6045-3R9N	3.9	30	20	4.90	3.20	100KHz /0.25V	3R9
WCR6045-4R7N	4.7	30	24	4.50	3.00	100KHz /0.25V	4R7
WCR6045-5R6N	5.6	30	31	3.70	2.80	100KHz /0.25V	5R6
WCR6045-6R8M	6.8	20	33	3.30	2.70	100KHz /0.25V	6R8
WCR6045-8R2M	8.2	20	45	3.20	2.60	100KHz /0.25V	8R2
WCR6045-100M	10	20	52	3.00	2.50	100KHz /0.25V	100
WCR6045-120M	12	20	58	2.80	2.20	100KHz /0.25V	120
WCR6045-150M	15	20	77	2.50	1.90	100KHz /0.25V	150
WCR6045-180M	18	20	95	2.20	1.75	100KHz /0.25V	180
WCR6045-220M	22	20	115	2.00	1.50	100KHz /0.25V	220
WCR6045-270M	27	20	120	1.90	1.48	100KHz /0.25V	270
WCR6045-330M	33	20	150	1.60	1.45	100KHz /0.25V	330
WCR6045-390M	39	20	180	1.50	1.25	100KHz /0.25V	390
WCR6045-470M	47	20	220	1.40	1.20	100KHz /0.25V	470
WCR6045-560M	56	20	260	1.30	1.10	100KHz /0.25V	560
WCR6045-680M	68	20	290	1.20	0.90	100KHz /0.25V	680
WCR6045-820M	82	20	355	1.10	0.85	100KHz /0.25V	820
WCR6045-101M	100	20	430	1.00	0.80	100KHz /0.25V	101
WCR6045-121M	120	20	530	0.85	0.75	100KHz /0.25V	121
WCR6045-151M	150	20	760	0.80	0.70	100KHz /0.25V	151
WCR6045-181M	180	20	845	0.75	0.65	100KHz /0.25V	181
WCR6045-221M	220	20	890	0.63	0.55	100KHz /0.25V	221



SPECIFICATIONS

WCR8050 Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(Ω) ±30%	Isat (A)	Irise(A)	Test Condition	Marking
WCR8050-220M	22	20	0.050	2.60	2.90	100KHz/0.25V	220
WCR8050-331M	330	20	0.700	0.60	0.70	100KHz/0.25V	331
WCR8050-821M	820	20	1.80	0.37	0.46	100KHz/0.25V	821
WCR8050-102M	1000	20	2.10	0.35	0.32	100KHz/0.25V	102
WCR8050-122M	1200	20	2.30	0.32	0.30	100KHz/0.25V	122
WCR8050-152M	1500	20	3.00	0.26	0.25	100KHz/0.25V	152
WCR8050-252M	2500	20	5.30	0.23	0.23	100KHz/0.25V	252
WCR8050-472M	4700	20	9.50	0.16	0.20	100KHz/0.25V	472

SPECIFICATIONS

WCR8040 Series

Part Number	Inductance (uH)	Tolerance (±%)	DCR(mΩ) ±30%	Isat (A)	Irise (A)	Test Condition	Marking
WCR8040-R56N	0.56	30	5	11.5	7.6	1MHz /0.25V	R56
WCR8040-1R0N	1.0	30	8	9.85	6.30	100KHz /0.25V	1R0
WCR8040-1R5N	1.5	30	10	8.15	5.65	100KHz /0.25V	1R5
WCR8040-2R2N	2.2	30	12	7.10	5.15	100KHz /0.25V	2R2
WCR8040-3R3N	3.3	30	17	6.50	4.40	100KHz /0.25V	3R3
WCR8040-4R7N	4.7	30	20	5.90	4.00	100KHz /0.25V	4R7
WCR8040-5R6N	5.6	30	24	5.50	3.80	100KHz /0.25V	5R6
WCR8040-6R8M	6.8	20	28	4.55	3.60	100KHz /0.25V	6R8
WCR8040-8R2M	8.2	20	35	4.20	3.40	100KHz /0.25V	8R2
WCR8040-100M	10	20	37	3.60	3.10	100KHz /0.25V	100
WCR8040-120M	12	20	45	3.30	2.80	100KHz /0.25V	120
WCR8040-150M	15	20	56	2.95	2.50	100KHz /0.25V	150
WCR8040-180M	18	20	58	2.70	2.40	100KHz /0.25V	180
WCR8040-220M	22	20	74	2.40	2.00	100KHz /0.25V	220
WCR8040-270M	27	20	80	2.15	1.90	100KHz /0.25V	270
WCR8040-330M	33	20	100	2.05	1.70	100KHz /0.25V	330
WCR8040-470M	47	20	158	1.75	1.50	100KHz /0.25V	470
WCR8040-560M	56	20	160	1.55	1.40	100KHz /0.25V	560
WCR8040-680M	68	20	196	1.45	1.20	100KHz /0.25V	680
WCR8040-820M	82	20	245	1.30	1.10	100KHz /0.25V	820
WCR8040-101M	100	20	295	1.15	1.00	100KHz /0.25V	101
WCR8040-151M	150	20	470	1.10	0.80	100KHz /0.25V	151
WCR8040-171M	170	20	538	0.95	0.75	100KHz /0.25V	171
WCR8040-181M	180	20	610	0.90	0.75	100KHz /0.25V	181
WCR8040-221M	220	20	660	0.85	0.70	100KHz /0.25V	221
WCR8040-331M	330	20	970	0.68	0.55	100KHz /0.25V	331
WCR8040-471M	470	20	1400	0.60	0.48	100KHz /0.25V	471
WCR8040-681M	680	20	1750	0.50	0.45	100KHz /0.25V	681

SPECIFICATIONS

WCR8065A Series

Part Number	Inductance (μ H)	Tolerance ($\pm$ %)	DCR(Ω) $\pm 30\%$	Isat (A)	Irise (A)	Test Condition	Marking
WCR8065A-3R3N	3.3	$\pm 30\%$	0.015	9.50	5.10	100KHz/0.25V	3R3
WCR8065A-4R7N	4.7	$\pm 30\%$	0.018	8.50	4.70	100KHz/0.25V	4R7
WCR8065A-6R8M	6.8	$\pm 20\%$	0.026	7.60	4.30	100KHz/0.25V	6R8
WCR8065A-100M	10	$\pm 20\%$	0.033	6.60	4.00	100KHz/0.25V	100
WCR8065A-150M	15	$\pm 20\%$	0.045	5.20	3.50	100KHz/0.25V	150
WCR8065A-220M	22	$\pm 20\%$	0.055	4.30	2.85	100KHz/0.25V	220
WCR8065A-330M	33	$\pm 20\%$	0.085	3.60	2.00	100KHz/0.25V	330
WCR8065A-470M	47	$\pm 20\%$	0.135	2.85	1.80	100KHz/0.25V	470
WCR8065A-680M	68	$\pm 20\%$	0.181	2.50	1.50	100KHz/0.25V	680
WCR8065A-101M	100	$\pm 20\%$	0.250	2.00	1.30	100KHz/0.25V	101
WCR8065A-151M	150	$\pm 20\%$	0.360	1.60	1.00	100KHz/0.25V	151
WCR8065A-221M	220	$\pm 20\%$	0.530	1.30	0.90	100KHz/0.25V	221
WCR8065A-331M	330	$\pm 20\%$	0.85	1.20	0.70	100KHz/0.25V	331
WCR8065A-471M	470	$\pm 20\%$	1.30	1.00	0.55	100KHz/0.25V	471
WCR8065A-102M	1000	$\pm 20\%$	2.35	0.65	0.40	100KHz/0.25V	102
WCR8065A-152M	1500	$\pm 20\%$	3.65	0.54	0.32	100KHz/0.25V	152
WCR8065A-202M	2000	$\pm 20\%$	4.90	0.45	0.27	100KHz/0.25V	202
WCR8065A-222M	2200	$\pm 20\%$	5.10	0.45	0.27	100KHz/0.25V	222
WCR8065A-302M	3000	$\pm 20\%$	7.00	0.38	0.25	100KHz/0.25V	302
WCR8065A-332M	3300	$\pm 20\%$	7.30	0.36	0.23	100KHz/0.25V	332
WCR8065A-452M	4500	$\pm 20\%$	12.3	0.30	0.18	100KHz/0.25V	452
WCR8065A-472M	4700	$\pm 20\%$	12.5	0.29	0.18	100KHz/0.25V	472
WCR8065A-562M	5600	$\pm 20\%$	16.0	0.26	0.15	100KHz/0.25V	562
WCR8065A-682M	6800	$\pm 20\%$	18.7	0.26	0.14	100KHz/0.25V	682
WCR8065A-822M	8200	$\pm 20\%$	19.0	0.22	0.13	100KHz/0.25V	822
WCR8065A-103M	10000	$\pm 20\%$	22.0	0.20	0.12	100KHz/0.25V	103

※1 : All test data is referenced to 20°C ambient;

※2 : Rated current: Isat or Irms, whichever is smaller;

※Isat: DC current at which the inductance drops approximate 30% from its value without current;

※Irise: DC current that causes the temperature rise ($\Delta T = 40^\circ\text{C}$) from 20°C ambient.