



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
- Tiny power inductor design
- Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference (EMI)
- Takes up less PCB real estate and save more power
- 30% lower DCR and larger current
- Operating temperature: -40°C to +125°C

Application

- DC/DC converters for high current power supplies
- Portable power like Smart Phone, PDA, digital camera
- Embedded laptops and PCs

Product Identification

KNR 252012 - 2R2 M □□□

① ② ③ ④ ⑤

①	Type
KNR	Wire Wound SMD Power Inductor

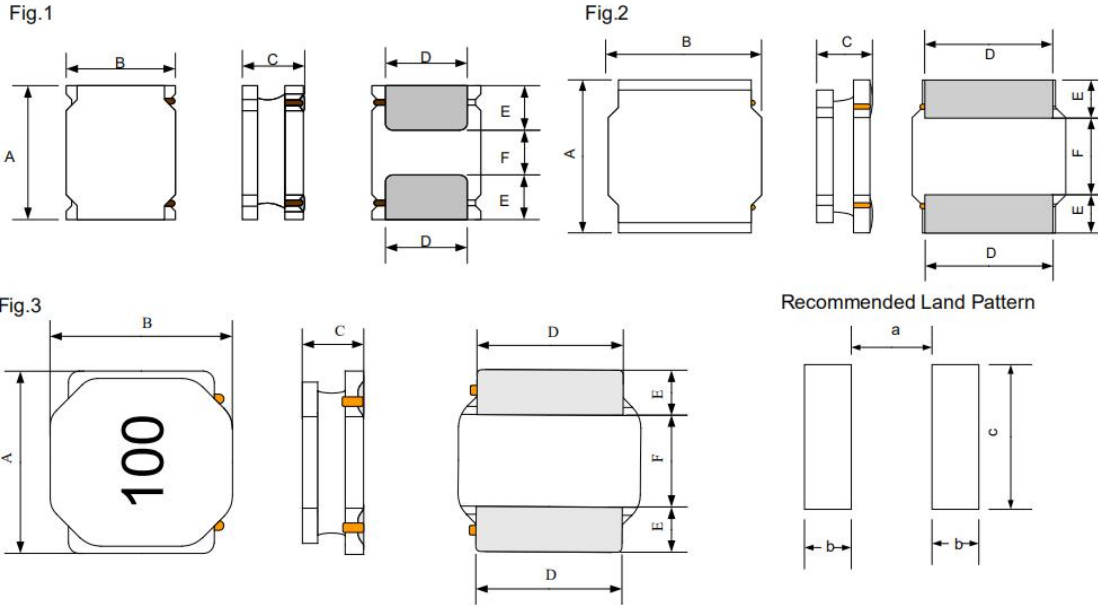
③	Nominal Inductance
example	Nominal Value
R47	0.47uH
2R2	2.2 uH

④	Inductance Tolerance
example	Nominal Value
K	±10%
M	±20%
N	±30%

⑤	Design Code
□□□	Standard product is blank

②	External Dimensions (L×W×H) [mm]
201610	2.0x1.6x1.0
202012	2.0x2.0x1.2
252010	2.5x2.0x1.0
252012	2.5x2.0x1.2
3012	3.0x3.0x1.2
3015	3.0x3.0x1.5
4012	4.0x4.0x1.2
4018	4.0x4.0x1.8
4020	4.0x4.0x2.0
4030	4.0x4.0x3.0
5012	5.0x5.0x1.2
5020	5.0x5.0x2.0
5040	5.0x5.0x4.0
6020	6.0x6.0x2.0
6028	6.0x6.0x2.8
6045	6.0x6.0x4.5
8030	8.0x8.0x3.0
8050	8.0x8.0x5.0
8060	8.0x8.0x6.0
8065	8.0x8.0x6.5

SHAPE AND DIMENSIONS



Unit:mm

Series	Shape	A	B	C	D	E	F	a Typ.	b Typ.	c Typ.
KNR201610	Fig.1	2.0±0.2	1.6±0.2	1.0MAX	1.2±0.2	0.60±0.2	0.80±0.2	0.70	0.70	1.70
KNR202012	Fig.1	2.0±0.1	2.0±0.1	1.2MAX	1.5±0.2	0.60±0.2	0.80±0.2	0.65	0.70	2.0
KNR252010	Fig.1	2.5±0.2	2.0±0.2	1.0MAX	1.5±0.2	0.80±0.2	0.80±0.2	0.80	0.85	2.0
KNR252012	Fig.1	2.5±0.2	2.0±0.2	1.2MAX	1.5±0.2	0.80±0.2	0.80±0.2	0.80	0.85	2.0
KNR3010	Fig.2	3.0±0.2	3.0±0.2	1.0MAX	2.5±0.2	0.75±0.2	1.5±0.2	1.50	0.80	2.7
KNR3012-	Fig.2	3.0±0.2	3.0±0.2	1.2MAX	2.5±0.2	0.75±0.2	1.5±0.2	1.50	0.80	2.7
KNR3015-	Fig.2	3.0±0.2	3.0±0.2	1.5MAX	2.5±0.2	0.75±0.2	1.5±0.2	1.50	0.8	2.7
KNR4010-	Fig.2	4.0±0.2	4.0±0.2	1.0MAX	3.3±0.2	0.95±0.2	2.1±0.2	1.90	1.10	3.7
KNR4012-	Fig.3	4.0±0.2	4.0±0.2	1.2MAX	3.3±0.2	0.95±0.2	2.1±0.2	1.90	1.10	3.7
KNR4018-	Fig.3	4.0±0.2	4.0±0.2	1.8MAX	3.3±0.2	0.95±0.2	2.1±0.2	1.90	1.10	3.7
KNR4020-	Fig.3	4.0±0.2	4.0±0.2	2.0MAX	3.3±0.2	0.95±0.2	2.1±0.2	1.90	1.10	3.7
KNR4026-	Fig.2	4.0±0.2	4.0±0.2	2.6MAX	3.3±0.2	0.95±0.2	2.1±0.2	1.90	1.10	3.7
KNR4030-	Fig.3	4.0±0.2	4.0±0.2	3.0MAX	3.3±0.2	0.95±0.2	2.1±0.2	1.90	1.10	3.7
KNR5012-	Fig.3	5.0±0.2	5.0±0.2	1.2MAX.	4.0±0.2	1.25±0.2	2.5±0.2	2.3	1.4	4.2
KNR5020-	Fig.3	5.0±0.2	5.0±0.2	2.0MAX	4.0±0.2	1.25±0.2	2.5±0.2	2.3	1.4	4.2
KNR5040-	Fig.3	5.0±0.2	5.0±0.2	4.0MAX.	4.0±0.2	1.25±0.2	2.5±0.2	2.3	1.4	4.2
KNR5045-	Fig.3	5.0±0.2	5.0±0.2	4.5MAX.	4.0±0.2	1.30±0.2	2.5±0.2	2.3	1.4	4.2
KNR6020-	Fig.2	6.0±0.3	6.0±0.3	2.0MAX.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
KNR6028	Fig.2	6.0±0.3	6.0±0.3	2.8MAX.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
KNR6045-	Fig.2	6.0±0.3	6.0±0.3	4.5MAX.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
KNR8030	Fig.2	8.0±0.3	8.0±0.3	3.0MAX.	6.3±0.3	2.00±0.3	4.0±0.3	3.0	2.2	7.5
KNR8040-	Fig.2	8.0±0.3	8.0±0.3	4.2MAX.	6.3±0.3	2.00±0.3	4.0±0.3	3.8	2.2	7.5
KNR8050-	Fig.3	8.0±0.3	8.0±0.3	5.0MAX.	6.3±0.3	2.00±0.3	4.0±0.3	3.8	2.2	7.5
KNR8060-	Fig.3	8.0±0.3	8.0±0.3	6.0MAX	6.3±0.3	2.00±0.3	4.0±0.3	3.8	2.2	7.5
KNR8065-	Fig.3	8.0±0.3	8.0±0.3	6.5MAX.	6.3±0.3	2.00±0.3	4.0±0.3	3.8	2.2	7.5

SPECIFICATIONS

KNR201610 Series

Part Number	Inductance	DC Resistance		Saturation Current *3		Heat Rating Current *4	
	@100KHz 1v	Max.	Typ.	Max.	Typ.	Max.	Typ.
units	uH	Ω		A		A	
Symbol	L	DCR		Isat		Irms	
KNR201610-R16M	0.16±20%	0.031	0.026	4.30	4.80	3.20	3.50
KNR201610-R24M	0.24±20%	0.040	0.033	3.70	4.10	2.90	3.20
KNR201610-R33M	0.33±20%	0.040	0.033	2.50	3.10	2.90	3.20
KNR201610-R47M	0.47±20%	0.059	0.049	2.30	2.85	2.35	2.60
KNR201610-R54M	0.54±20%	0.076	0.063	2.55	2.95	2.05	2.25
KNR201610-R68M	0.68±20%	0.076	0.063	1.95	2.45	2.05	2.25
KNR201610-1R0M	1.0±20%	0.114	0.095	1.65	1.85	1.45	1.60
KNR201610-1R5M	1.5±20%	0.174	0.145	1.35	1.65	1.25	1.40
KNR201610-2R2M	2.2±20%	0.264	0.220	1.20	1.45	1.10	1.20
KNR201610-3R3M	3.3±20%	0.335	0.279	0.90	1.05	0.88	0.98
KNR201610-4R7M	4.7±20%	0.479	0.399	0.70	0.85	0.74	0.82
KNR201610-6R8M	6.8±20%	0.816	0.680	0.60	0.70	0.52	0.58
KNR201610-100MT	10.0±20%	1.020	0.850	0.50	0.55	0.45	0.50

KNR202012- Series

Part Number	Inductance	DC Resistance		Saturation Current *3		Heat Rating Current *4	
	@100KHz 1v	Max.	Typ.	Max.	Typ.	Max.	Typ.
units	uH	Ω		A		A	
Symbol	L	DCR		Isat		Irms	
KNR202012-R16M	0.16±20%	0.031	0.026	5.20	5.80	2.50	2.75
KNR202012-R24M	0.24±20%	0.042	0.035	4.70	5.20	2.20	2.40
KNR202012-R33M	0.33±20%	0.042	0.035	3.50	4.00	2.20	2.40
KNR202012-R47M	0.47±20%	0.050	0.042	3.55	3.75	2.00	2.20
KNR202012-R68M	0.68±20%	0.060	0.050	2.95	3.10	1.80	2.00
KNR202012-1R0M	1.0±20%	0.088	0.073	2.70	2.85	1.50	1.65
KNR202012-1R5M	1.5±20%	0.112	0.093	2.00	2.20	1.30	1.45
KNR202012-2R2M	2.2±20%	0.127	0.106	1.40	1.65	1.20	1.35
KNR202012-3R3M	3.3±20%	0.276	0.230	1.20	1.35	0.85	0.95
KNR202012-4R7M	4.7±20%	0.294	0.245	0.97	1.10	0.82	0.90
KNR202012-6R8M	6.8±20%	0.479	0.399	0.82	0.92	0.64	0.70
KNR202012-100MT	10±20%	0.785	0.654	0.72	0.82	0.49	0.54

Wire Wound SMD Power Inductor-KNR Series

KNR202012-150MT	15±20%	1.368	1.140	0.55	0.65	0.38	0.42
KNR202012-180MT	18±20%	1.680	1.400	0.60	0.68	0.35	0.38
KNR202012-220MT	22±20%	1.680	1.400	0.40	0.50	0.35	0.38
KNR202012-330MT	33±20%	2.160	1.800	0.35	0.40	0.30	0.33

KNR252010 Series

Part Number	Inductance @100KHz 1v	DC Resistance		Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.	Max.	Typ.	Max.	Typ.
units	uH	Ω		A		A	
Symbol	L	DCR		Isat		Irms	
KNR252010-R24M	0.24±20%	0.034	0.028	3.60	4.40	2.75	3.00
KNR252010-R33M	0.33±20%	0.043	0.036	3.80	4.60	2.40	2.65
KNR252010-R47M	0.47±20%	0.044	0.037	2.40	2.80	2.40	2.65
KNR252010-R68M	0.68±20%	0.061	0.051	2.75	3.10	2.10	2.35
KNR252010-1R0M	1.0±20%	0.080	0.067	2.05	2.45	1.80	2.00
KNR252010-1R5M	1.5±20%	0.108	0.090	1.70	2.05	1.55	1.70
KNR252010-2R2M	2.2±20%	0.137	0.114	1.55	1.80	1.40	1.55
KNR252010-3R3M	3.3±20%	0.228	0.170	1.10	1.40	1.10	1.20
KNR252010-3R9M	3.9±20%	0.271	0.226	1.07	1.25	1.00	1.06
KNR252010-4R7M	4.7±20%	0.323	0.269	1.00	1.15	0.91	1.00
KNR252010-5R6M	5.6±20%	0.348	0.290	0.90	1.00	0.80	0.92
KNR252010-6R8M	6.8±20%	0.451	0.376	0.82	0.95	0.76	0.84
KNR252010-8R2M	8.2±20%	0.584	0.487	0.85	0.95	0.67	0.74
KNR252010-100MT	10±20%	0.584	0.487	0.65	0.75	0.67	0.74
KNR252010-150MT	15±20%	0.954	0.795	0.55	0.65	0.50	0.55
KNR252010-220MT	22±20%	1.548	1.290	0.45	0.55	0.40	0.45
KNR252010-330MT	33±20%	1.548	1.290	0.25	0.30	0.40	0.45

KNR252012 Series

Part Number	Inductance @100KHz 1v	DC Resistance		Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.	Max.	Typ.	Max.	Typ.
units	uH	Ω		A		A	
Symbol	L	DCR		Isat		Irms	
KNR252012-R16M	0.16±20%	0.022	0.018	6.50	7.20	4.05	4.50
KNR252012-R22M	0.22±20%	0.024	0.020	6.70	7.60	3.20	3.70
KNR252012-R24M	0.24±20%	0.022	0.018	4.00	4.75	4.05	4.50
KNR252012-R33M	0.33±20%	0.029	0.024	4.00	4.70	3.35	3.70

Wire Wound SMD Power Inductor-KNR Series

KNR252012-R47M	0.47±20%	0.036	0.030	3.70	4.10	3.00	3.30
KNR252012-R68M	0.68±20%	0.061	0.051	3.00	3.30	2.10	2.30
KNR252012-1R0M	1.0±20%	0.044	0.037	1.70	1.90	2.20	2.40
KNR252012-1R2M	1.2±20%	0.078	0.065	2.20	2.50	1.95	2.10
KNR252012-1R5M	1.5±20%	0.078	0.065	2.00	2.35	1.95	2.10
KNR252012-2R2M	2.2±20%	0.096	0.080	1.80	1.95	1.80	1.95
KNR252012-2R7M	2.7±20%	0.179	0.149	1.85	2.00	1.20	1.40
KNR252012-3R3M	3.3±20%	0.144	0.120	1.15	1.25	1.40	1.50
KNR252012-4R7M	4.7±20%	0.210	0.175	1.10	1.20	1.12	1.25
KNR252012-5R6M	5.6±20%	0.336	0.280	1.00	1.15	0.80	0.90
KNR252012-6R8M	6.8±20%	0.360	0.300	0.80	1.00	0.95	1.05
KNR252012-100MT	10±20%	0.522	0.435	0.70	0.85	0.79	0.87
KNR252012-150MT	15±20%	1.000	0.830	0.65	0.75	0.57	0.63
KNR252012-180MT	18±20%	1.000	0.830	0.50	0.65	0.57	0.63
KNR252012-220MT	22±20%	1.090	0.910	0.45	0.55	0.54	0.60
KNR252012-330MT	33±20%	1.840	1.530	0.35	0.40	0.42	0.46
KNR252012-470MT	47±20%	2.220	1.850	0.25	0.30	0.30	0.35
KNR252012-560MT	56±20%	2.760	2.300	0.30	0.35	0.29	0.33
KNR252012-680MT	68±20%	3.000	2.500	0.30	0.35	0.28	0.32
KNR252012-820MT	82±20%	3.096	2.580	0.21	0.25	0.28	0.32

KNR3010 Series

Part Number	Inductance	DC Resistance		Saturation Current *3		Heat Rating Current *4	
	@100KHz 1v	Max.	Typ.	Max.	Typ.	Max.	Typ.
units	uH	Ω		A		A	
Symbol	L	DCR		Isat		Irms	
KNR3010-R47NT	0.47±30%	0.044	0.034	1.44	2.00	2.00	2.30
KNR3010-1R0NT	1.0±30%	0.085	0.065	1.40	2.10	1.45	1.80
KNR3010-1R2NT	1.2±30%	0.085	0.065	1.25	1.70	1.45	1.80
KNR3010-1R5NT	1.5±30%	0.104	0.080	1.27	1.70	1.30	1.60
KNR3010-2R2NT	2.2±30%	0.143	0.110	1.15	1.50	1.09	1.40
KNR3010-2R7NT	2.7±30%	0.169	0.130	1.00	1.20	1.02	1.40
KNR3010-3R3NT	3.3±30%	0.189	0.145	0.97	1.20	0.96	1.20
KNR3010-3R6MT	3.6±20%	0.215	0.165	0.95	1.20	0.90	1.10
KNR3010-4R7MT	4.7±20%	0.293	0.225	0.75	1.05	0.77	1.10
KNR3010-5R6MT	5.6±20%	0.322	0.248	0.58	0.65	0.70	1.05
KNR3010-6R8MT	6.8±20%	0.397	0.305	0.55	0.72	0.66	0.96
KNR3010-8R2MT	8.2±20%	0.520	0.40	0.55	0.70	0.58	0.70
KNR3010-100MT	10±20%	0.520	0.40	0.55	0.75	0.58	0.70

Wire Wound SMD Power Inductor-KNR Series

KNR3010-120MT	12±20%	0.657	0.505	0.43	0.65	0.52	0.67
KNR3010-150MT	15±20%	0.793	0.610	0.42	0.57	0.47	0.57
KNR3010-220MT	22±20%	1.209	0.930	0.35	0.48	0.38	0.52
KNR3010-270MT	27±20%	1.404	1.080	0.30	0.45	0.35	0.50
KNR3010-330MT	33±20%	2.015	1.550	0.29	0.42	0.30	0.55
KNR3010-390MT	39±20%	2.275	1.750	0.28	0.38	0.28	0.53
KNR3010-430MT	43±20%	2.340	1.80	0.23	0.36	0.27	0.52
KNR3010-470MT	47±20%	2.535	1.950	0.22	0.35	0.26	0.52
KNR3010-510MT	51±20%	2.860	2.20	0.21	0.33	0.25	0.48
KNR3010-560MT	56±20%	3.016	2.320	0.21	0.28	0.24	0.35

KNR3012 Series

Part Number	Inductance @100KHz 1v	DC Resistance		Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.	Max.	Typ.	Max.	Typ.
units	uH	Ω		A		A	
Symbol	L	DCR		Isat		Irms	
KNR3012-R10MT	0.1±20%	0.018	0.015	9.20	10.58	3.50	4.03
KNR3012-R47MT	0.47±20%	0.030	0.025	3.80	4.40	2.90	3.30
KNR3012-1R0MT	1.0±20%	0.040	0.032	2.20	2.50	2.30	2.50
KNR3012-1R5MT	1.5±20%	0.062	0.052	2.00	2.30	2.00	2.20
KNR3012-2R2MT	2.2±20%	0.090	0.075	1.50	1.80	1.40	1.60
KNR3012-3R3MT	3.3±20%	0.134	0.112	1.23	1.55	1.40	1.60
KNR3012-4R7MT	4.7±20%	0.176	0.147	1.10	1.40	1.30	1.50
KNR3012-6R8MT	6.8±20%	0.259	0.216	1.00	1.20	1.00	1.20
KNR3012-100MT	10±20%	0.372	0.310	0.75	0.90	0.75	0.80
KNR3012-120MT	12±20%	0.449	0.345	0.48	0.67	0.73	0.84
KNR3012-150MT	15±20%	0.468	0.360	0.45	0.62	0.71	0.77
KNR3012-180MT	18±20%	0.709	0.545	0.43	0.59	0.58	0.65
KNR3012-220MT	22±20%	0.839	0.645	0.42	0.52	0.53	0.59
KNR3012-270MT	27±20%	1.131	0.870	0.35	0.48	0.47	0.51
KNR3012-330MT	33±20%	1.138	0.875	0.36	0.46	0.46	0.50
KNR3012-360MT	36±20%	1.235	0.950	0.34	0.44	0.44	0.48
KNR3012-390MT	39±20%	1.729	1.330	0.30	0.39	0.37	0.41
KNR3012-470MT	47±20%	1.885	1.450	0.27	0.35	0.35	0.40
KNR3012-560MT	56±20%	1.794	1.380	0.26	0.33	0.28	0.40
KNR3012-680MT	68±20%	2.171	1.670	0.24	0.29	0.33	0.37
KNR3012-820MT	82±20%	3.302	2.540	0.17	0.27	0.27	0.31
KNR3012-101MT	100±20%	3.718	2.860	0.21	0.23	0.25	0.29

KNR3015 Series

Part Number	Inductance	DC Resistance		Saturation Current *3		Heat Rating Current *4	
	@100KHz 1v	Max.	Typ.	Max.	Typ.	Max.	Typ.
units	uH	Ω		A		A	
Symbol	L	DCR		Isat		Irms	
KNR3015-R10MT	0.1±20%	0.007	0.006	8.00	9.20	4.60	5.30
KNR3015-R22MT	0.22±20%	0.022	0.018	6.00	6.80	3.00	3.50
KNR3015-R24MT	0.24±20%	0.022	0.018	5.50	5.50	3.00	3.50
KNR3015-R47MT	0.47±20%	0.022	0.018	2.40	2.80	3.00	3.50
KNR3015-R55MT	0.55±20%	0.019	0.016	2.40	2.70	3.05	3.55
KNR3015-1R0MT	1.0±20%	0.040	0.033	2.70	3.00	2.20	2.50
KNR3015-1R5MT	1.5±20%	0.048	0.040	2.00	2.30	2.00	2.30
KNR3015-1R8MT	1.8±20%	0.050	0.042	1.60	1.90	1.90	2.20
KNR3015-2R2MT	2.2±20%	0.060	0.050	1.50	1.70	1.80	2.05
KNR3015-3R3MT	3.3±20%	0.084	0.070	1.30	1.50	1.50	1.70
KNR3015-3R9MT	3.9±20%	0.115	0.096	1.30	1.60	1.30	1.50
KNR3015-4R7MT	4.7±20%	0.115	0.096	1.10	1.20	1.30	1.50
KNR3015-6R8MT	6.8±20%	0.144	0.120	0.80	0.90	1.16	1.35
KNR3015-100MT	10±20%	0.276	0.230	0.75	0.90	0.84	0.97
KNR3015-150MT	15±20%	0.360	0.300	0.60	0.70	0.73	0.84
KNR3015-220MT	22±20%	0.540	0.450	0.52	0.60	0.60	0.70
KNR3015-260MT	26±20%	0.768	0.640	0.40	0.50	0.45	0.55
KNR3015-330MT	33±20%	1.090	0.910	0.50	0.55	0.50	0.55
KNR3015-470MT	47±20%	1.250	1.040	0.35	0.42	0.45	0.50
KNR3015-560MT	56±20%	1.776	1.480	0.32	0.37	0.35	0.40
KNR3015-680MT	68±20%	1.920	1.600	0.30	0.35	0.34	0.39
KNR3015-101MT	100±20%	2.280	1.900	0.23	0.26	0.30	0.35

KNR4010- Series

Part Number	Inductance	DC Resistance		Saturation Current *3		Heat Rating Current *4	
	@100KHz 1v	Max.	Typ.	Max.	Typ.	Max.	Typ.
units	uH	Ω		A		A	
Symbol	L	DCR		Isat		Irms	
KNR4010-1R0NT	1.0±30%	0.067	0.056	2.00	2.30	1.90	2.40
KNR4010-1R5NT	1.5±30%	0.084	0.070	1.68	2.00	1.70	2.00
KNR4010-2R2MT	2.2±20%	0.102	0.085	1.20	1.50	1.50	2.00
KNR4010-3R3MT	3.3±20%	0.120	0.10	1.10	1.40	1.40	1.80

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KNR4010-4R7MT	4.7±20%	0.168	0.140	0.95	1.10	1.20	1.50
KNR4010-6R8MT	6.8±20%	0.240	0.20	0.80	0.95	1.00	1.20
KNR4010-100MT	10±20%	0.360	0.30	0.62	0.75	0.75	1.00
KNR4010-150MT	15±20%	0.516	0.430	0.54	0.61	0.60	0.85
KNR4010-220MT	22±20%	0.684	0.570	0.45	0.52	0.50	0.75

KNR4012 Series

Part Number	Inductance	DC Resistance		Saturation Current *3		Heat Rating Current *4	
	@100KHz 1v	Max.	Typ.	Max.	Typ.	Max.	Typ.
units	uH	Ω		A		A	
Symbol	L	DCR		Isat		Irms	
KNR4012-R33NT	0.33±30%	0.031	0.026	5.50	6.30	2.90	3.35
KNR4012-R47NT	0.47±30%	0.032	0.027	3.50	4.20	2.90	3.20
KNR4012-R82NT	0.82±30%	0.042	0.035	3.00	3.50	2.50	2.90
KNR4012-1R0NT	1.0±30%	0.050	0.042	2.80	3.30	2.20	2.50
KNR4012-1R2NT	1.2±30%	0.050	0.042	2.70	3.20	2.20	2.50
KNR4012-1R5NT	1.5±30%	0.050	0.042	2.10	2.20	2.20	2.50
KNR4012-1R8NT	1.8±30%	0.066	0.055	2.10	2.40	2.00	2.30
KNR4012-2R2MT	2.2±20%	0.066	0.055	1.70	1.80	2.00	2.30
KNR4012-2R7MT	2.7±20%	0.084	0.070	1.90	2.20	1.70	2.00
KNR4012-3R3MT	3.3±20%	0.084	0.070	1.40	1.70	1.70	2.00
KNR4012-3R6MT	3.6±20%	0.090	0.075	1.20	1.60	1.70	2.00
KNR4012-4R3MT	4.3±20%	0.108	0.090	1.20	1.50	1.50	1.80
KNR4012-4R7MT	4.7±20%	0.108	0.090	1.20	1.30	1.50	1.80
KNR4012-5R1MT	5.1±20%	0.132	0.110	1.20	1.40	1.40	1.60
KNR4012-5R6MT	5.6±20%	0.132	0.110	1.10	1.40	1.40	1.60
KNR4012-6R8MT	6.8±20%	0.150	0.125	0.90	1.10	1.30	1.60
KNR4012-100MT	10±20%	0.204	0.170	0.80	0.90	1.10	1.30
KNR4012-120MT	12±20%	0.312	0.260	0.85	1.00	0.90	1.00
KNR4012-150MT	15±20%	0.312	0.260	0.65	0.80	0.90	1.00
KNR4012-180MT	18±20%	0.432	0.360	0.65	0.80	0.78	0.90
KNR4012-220MT	22±20%	0.460	0.380	0.50	0.65	0.78	0.90
KNR4012-270MT	27±20%	0.672	0.560	0.50	0.60	0.63	0.73
KNR4012-330MT	33±20%	0.756	0.630	0.45	0.55	0.57	0.68
KNR4012-360MT	36±20%	0.756	0.630	0.40	0.50	0.57	0.68
KNR4012-390MT	39±20%	1.188	0.990	0.55	0.62	0.47	0.54
KNR4012-470MT	47±20%	1.188	0.990	0.40	0.50	0.47	0.54
KNR4012-560MT	56±20%	1.320	1.100	0.35	0.45	0.45	0.52
KNR4012-680MT	68±20%	1.800	1.500	0.38	0.45	0.38	0.44

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KNR4012-820MT	82±20%	2.040	1.700	0.30	0.38	0.36	0.42
KNR4012-101MT	100±20%	2.040	1.700	0.25	0.31	0.36	0.42

KNR4018 Series

Part Number	Inductance	DC Resistance		Saturation Current *3		Heat Rating Current *4	
	@100KHz 1v	Max.	Typ.	Max.	Typ.	Max.	Typ.
units	uH	Ω		A		A	
Symbol	L	DCR		Isat		Irms	
KNR4018-R33NT	0.33±30%	0.016	0.012	6.50	8.00	4.20	4.70
KNR4018-R47NT	0.47±30%	0.020	0.017	6.50	7.20	3.50	4.00
KNR4018-1R0NT	1.0±30%	0.032	0.027	4.00	4.80	3.20	3.70
KNR4018-1R5NT	1.5±30%	0.037	0.031	3.60	4.30	2.95	3.30
KNR4018-2R2MT	2.2±20%	0.050	0.042	3.00	3.40	2.20	2.90
KNR4018-3R3MT	3.3±20%	0.066	0.055	2.30	2.90	2.00	2.50
KNR4018-4R7MT	4.7±20%	0.084	0.070	2.00	2.20	1.70	2.10
KNR4018-6R8MT	6.8±20%	0.118	0.098	1.60	1.80	1.45	1.70
KNR4018-100MT	10±20%	0.180	0.150	1.30	1.50	1.20	1.50
KNR4018-150MT	15±20%	0.252	0.210	1.10	1.20	0.85	1.20
KNR4018-220MT	22±20%	0.348	0.290	0.90	1.10	0.70	1.00
KNR4018-330MT	33±20%	0.552	0.460	0.70	0.90	0.55	0.82
KNR4018-390MT	39±20%	0.612	0.510	0.70	0.83	0.69	0.80
KNR4018-470MT	47±20%	0.744	0.620	0.57	0.70	0.91	1.01
KNR4018-680MT	68±20%	0.972	0.810	0.53	0.62	0.68	0.73
KNR4018-101MT	100±20%	1.560	1.300	0.49	0.57	0.40	0.47
KNR4018-151MT	150±20%	3.120	2.600	0.41	0.47	0.28	0.33
KNR4018-221MT	220±20%	3.840	3.200	0.33	0.38	0.25	0.29
KNR4018-331MT	330±20%	5.880	4.900	0.26	0.31	0.20	0.23

KNR4020- Series

Part Number	Inductance	DC Resistance		Saturation Current *3		Heat Rating Current *4	
	@100KHz 1v	Max.	Typ.	Max.	Typ.	Max.	Typ.
units	uH	Ω		A		A	
Symbol	L	DCR		Isat		Irms	
KNR4020-R22NT	0.22±30%	0.017	0.013	12.40	13.50	5.00	5.75
KNR4020-R24MT	0.24±20%	0.014	0.011	10.5	12.5	4.50	5.20
KNR4020-R33NT	0.33±30%	0.016	0.013	7.50	8.50	3.30	4.90
KNR4020-R47NT	0.47±30%	0.029	0.022	7.00	7.50	3.30	3.70
KNR4020-R68NT	0.68±30%	0.036	0.028	6.40	6.60	2.80	3.30

Wire Wound SMD Power Inductor-KNR Series

KNR4020-1R0NT	1.0±30%	0.038	0.029	4.78	5.20	2.15	3.20
KNR4020-1R2NT	1.2±30%	0.038	0.029	5.10	5.60	2.15	3.20
KNR4020-1R5NT	1.5±30%	0.046	0.035	4.45	4.90	1.98	3.00
KNR4020-1R8NT	1.8±30%	0.051	0.039	4.00	4.60	2.50	2.80
KNR4020-2R2NT	2.2±30%	0.052	0.040	3.40	3.70	1.85	2.80
KNR4020-2R7MT	2.7±20%	0.069	0.053	2.55	3.50	1.55	1.80
KNR4020-3R3MT	3.3±20%	0.091	0.070	3.20	3.50	1.40	2.50
KNR4020-3R6MT	3.6±20%	0.072	0.055	2.80	3.00	1.54	2.50
KNR4020-4R7MT	4.7±20%	0.098	0.075	2.35	2.50	1.34	2.00
KNR4020-5R1MT	5.1±20%	0.111	0.085	2.30	2.50	1.27	1.80
KNR4020-5R6MT	5.6±20%	0.117	0.090	2.20	2.40	1.22	1.80
KNR4020-6R2MT	6.2±20%	0.150	0.115	2.15	2.30	1.08	1.60
KNR4020-6R8MT	6.8±20%	0.163	0.125	2.20	2.40	1.04	1.60
KNR4020-7R5MT	7.5±20%	0.150	0.115	1.85	2.00	1.08	1.50
KNR4020-8R2MT	8.2±20%	0.163	0.125	1.75	1.90	1.04	1.40
KNR4020-100MT	10±20%	0.215	0.165	1.60	1.70	0.90	1.20
KNR4020-120MT	12±20%	0.228	0.175	1.50	1.60	0.88	1.20
KNR4020-150MT	15±20%	0.299	0.230	1.35	1.50	0.77	1.10
KNR4020-220MT	22±20%	0.455	0.350	1.05	1.10	0.62	0.87
KNR4020-270MT	27±20%	0.709	0.545	1.02	1.10	0.50	0.70
KNR4020-330MT	33±20%	0.715	0.550	0.85	0.93	0.49	0.68
KNR4020-390MT	39±20%	0.845	0.650	0.82	0.90	0.46	0.64
KNR4020-430MT	43±20%	0.858	0.660	0.77	0.85	0.45	0.63
KNR4020-470MT	47±20%	0.923	0.710	0.74	0.81	0.44	0.61
KNR4020-510MT	51±20%	0.975	0.750	0.70	0.77	0.42	0.59
KNR4020-560MT	56±20%	1.040	0.80	0.66	0.72	0.41	0.57
KNR4020-620MT	62±20%	1.170	0.90	0.65	0.71	0.39	0.52
KNR4020-680MT	68±20%	1.380	1.060	0.61	0.67	0.36	0.50
KNR4020-750MT	75±20%	1.510	1.160	0.70	0.77	0.35	0.49
KNR4020-820MT	82±20%	1.520	1.170	0.50	0.55	0.34	0.47
KNR4020-101MT	100±20%	2.020	1.550	0.48	0.53	0.31	0.43
KNR4020-221MT	220±20%	5.460	4.20	0.30	0.40	0.30	0.34

KNR4026 Series

Part Number	Inductance	DC Resistance		Saturation Current *3		Heat Rating Current *4	
		Max.	Typ.	Max.	Typ.	Max.	Typ.
units	uH	Ω		A		A	
Symbol	L	DCR		Isat		Irms	
KNR4026-1R0NT	1.0±30%	0.031	0.024	3.30	3.80	3.00	3.30

Wire Wound SMD Power Inductor-KNR Series

KNR4026-1R2NT	1.2±30%	0.039	0.030	3.10	3.40	2.30	3.30
KNR4026-1R5NT	1.5±30%	0.039	0.030	2.40	2.90	2.30	3.10
KNR4026-2R2MT	2.2±20%	0.052	0.040	2.10	2.40	2.00	3.80
KNR4026-3R3MT	3.3±20%	0.065	0.050	1.80	2.00	1.70	2.50
KNR4026-4R7MT	4.7±20%	0.072	0.055	1.45	1.70	1.60	2.30
KNR4026-6R8MT	6.8±20%	0.085	0.065	1.30	1.50	1.50	2.00
KNR4026-100MT	10±20%	0.110	0.085	1.00	1.20	1.30	1.90
KNR4026-150MT	15±20%	0.143	0.110	0.90	1.00	1.10	1.50
KNR4026-220MT	22±20%	0.214	0.165	0.60	0.80	0.90	1.40
KNR4026-330MT	33±20%	0.351	0.270	0.55	0.65	0.70	1.00
KNR4026-470MT	47±20%	0.390	0.30	0.40	0.55	0.65	0.90
KNR4026-331MT	330±20%	3.600	3.000	0.15	0.17	0.25	0.29

KNR4030 Series

Part Number	Inductance	DC Resistance		Saturation Current *3		Heat Rating Current *4	
	@100KHz 1v	Max.	Typ.	Max.	Typ.	Max.	Typ.
units	uH	Ω		A		A	
Symbol	L	DCR		Isat		Irms	
KNR4030-R10NT	0.10±30%	0.006	0.005	17.00	18.50	4.60	6.30
KNR4030-R22NT	0.22±30%	0.007	0.006	11.50	12.50	3.90	5.20
KNR4030-R47NT	0.47±30%	0.013	0.011	8.20	9.20	4.50	5.20
KNR4030-R56NT	0.56±30%	0.011	0.009	9.00	10.40	5.20	6.00
KNR4030-R68NT	0.68±30%	0.013	0.010	6.80	8.00	4.56	5.10
KNR4030-1R0NT	1.0±30%	0.017	0.014	5.60	6.50	4.10	4.80
KNR4030-1R2NT	1.2±30%	0.020	0.015	5.80	6.30	3.82	4.20
KNR4030-1R5NT	1.5±30%	0.026	0.020	4.84	5.30	3.34	3.60
KNR4030-1R8NT	1.8±30%	0.033	0.025	5.40	5.80	3.20	3.30
KNR4030-2R2NT	2.2±30%	0.036	0.030	4.90	5.60	2.95	3.40
KNR4030-3R3MT	3.3±20%	0.052	0.040	3.30	3.60	2.40	2.60
KNR4030-3R6MT	3.6±20%	0.052	0.040	3.00	3.50	2.40	2.60
KNR4030-3R9MT	3.9±20%	0.074	0.057	3.00	3.30	2.10	2.30
KNR4030-4R3MT	4.3±20%	0.072	0.055	2.95	3.20	2.10	2.30
KNR4030-4R7MT	4.7±20%	0.078	0.060	2.90	3.20	2.00	2.30
KNR4030-5R6MT	5.6±20%	0.085	0.065	2.60	2.80	1.95	2.10
KNR4030-6R2MT	6.2±20%	0.117	0.090	3.00	3.45	1.60	1.70
KNR4030-6R8MT	6.8±20%	0.117	0.090	2.75	3.00	1.60	1.70
KNR4030-7R5MT	7.5±20%	0.110	0.085	2.20	2.40	1.65	1.80
KNR4030-8R2MT	8.2±20%	0.117	0.090	2.10	2.30	1.60	1.70
KNR4030-100MT	10±20%	0.130	0.10	1.95	2.40	1.50	1.60

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KNR4030-120MT	12±20%	0.175	0.135	1.70	1.80	1.30	1.40
KNR4030-150MT	15±20%	0.247	0.190	1.65	1.80	1.11	1.20
KNR4030-180MT	18±20%	0.260	0.20	1.40	1.50	1.10	1.20
KNR4030-220MT	22±20%	0.292	0.225	1.30	1.40	1.00	1.20
KNR4030-270MT	27±20%	0.338	0.260	1.15	1.35	0.90	1.05
KNR4030-330MT	33±20%	0.429	0.330	1.10	1.20	0.84	0.92
KNR4030-360MT	36±20%	0.436	0.335	1.05	1.10	0.83	0.91
KNR4030-390MT	39±20%	0.566	0.435	1.03	1.10	0.73	0.80
KNR4030-470MT	47±20%	0.579	0.445	0.95	1.00	0.72	0.80
KNR4030-510MT	51±20%	0.611	0.470	0.90	1.13	0.70	0.80
KNR4030-560MT	56±20%	0.722	0.555	0.85	0.94	0.65	0.71
KNR4030-620MT	62±20%	0.761	0.585	0.80	0.99	0.63	0.70
KNR4030-680MT	68±20%	1.128	0.868	0.72	0.80	0.52	0.57
KNR4030-750MT	75±20%	1.326	1.020	0.70	0.88	0.48	0.53
KNR4030-820MT	82±20%	1.378	1.060	0.66	0.72	0.47	0.52
KNR4030-910MT	91±20%	1.430	1.10	0.65	0.71	0.46	0.50
KNR4030-101MT	100±20%	1.495	1.150	0.60	0.73	0.45	0.49
KNR4030-121MT	120±20%	1.755	1.350	0.55	0.60	0.42	0.46
KNR4030-151MT	150±20%	2.340	1.80	0.50	0.55	0.30	0.35
KNR4030-221MT	220±20%	3.250	2.50	0.40	0.50	0.35	0.40
KNR4030-331MT	330±20%	5.20	4.0	0.30	0.40	0.25	0.26
KNR4030-471KT	470±10%	9.360	7.20	7.20	0.30	0.35	0.20
KNR4030-501MT	500±20%	9.027	6.944	0.28	0.30	0.15	0.20
KNR4030-681MT	680±20%	9.854	7.580	0.19	0.20	0.14	0.18

KNR5012 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current*3		Heat Rating Current *4	
		Max.	Typ.		Min.	Max.	Typ.	Max.
Units	@100KHz 1v uH	Ω		MHZ	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
KNR5012-R22N	0.22±30%	0.034	0.028	315	8.10	9.30	3.00	3.30
KNR5012-R47N	0.47±30%	0.046	0.035	184	6.00	7.00	2.80	3.30
KNR5012-R68N	0.68±30%	0.057	0.044	213	3.30	3.80	2.40	2.80
KNR5012-1R0N	1.0±30%	0.068	0.057	103	4.40	4.70	2.00	2.40
KNR5012-1R2N	1.2±30%	0.068	0.057	96	2.45	3.40	2.00	2.40
KNR5012-1R5N	1.5±30%	0.086	0.072	68	3.70	3.80	1.90	2.20
KNR5012-2R2N	2.2±30%	0.108	0.090	50	3.10	3.20	1.70	2.00
KNR5012-3R3N	3.3±30%	0.151	0.126	34	2.40	2.60	1.40	1.70

Wire Wound SMD Power Inductor-KNR Series

KNR5012-4R7N	4.7±30%	0.197	0.164	31	2.20	2.30	1.30	1.50
KNR5012-6R8M	6.8±20%	0.294	0.245	22	1.70	1.90	1.00	1.20
KNR5012-100M	10±20%	0.413	0.344	17	1.40	1.50	0.85	1.00
KNR5012-150M	15±20%	0.523	0.436	13	1.20	1.30	0.80	0.92
KNR5012-220M	22±20%	0.858	0.780	16	0.88	0.98	0.60	0.68
KNR5012-101M	100±20%	3.536	2.720	7.6	0.38	0.47	0.33	0.38

KNR5020 Series

Part Number	Inductance @100KHz 1v	DC Resistance		Self-resonant Frequency Min.	Saturation Current*3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
Units	uH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
KNR5020-R22N	0.22±30%	0.011	0.009	280	9.00	12.00	5.30	6.00
KNR5020-R24N	0.24±30%	0.011	0.009	248	8.00	10.00	5.30	6.00
KNR5020-R47N	0.47±30%	0.017	0.013	160	6.15	6.70	4.60	5.00
KNR5020-R56N	0.56±30%	0.022	0.017	137	8.50	9.60	3.80	4.20
KNR5020-R68N	0.68±30%	0.022	0.017	120	5.50	6.00	4.00	4.40
KNR5020-R75N	0.75±30%	0.022	0.017	117	5.50	6.00	4.00	4.40
KNR5020-1R0N	1.0±30%	0.026	0.020	114	4.10	5.00	3.80	4.10
KNR5020-1R2N	1.2±30%	0.029	0.022	83	4.50	4.90	3.55	3.90
KNR5020-1R5N	1.5±30%	0.034	0.026	68	4.10	4.50	3.20	3.50
KNR5020-2R2N	2.2±30%	0.042	0.032	57	3.20	4.00	2.90	3.10
KNR5020-2R7N	2.7±30%	0.049	0.038	52	2.90	3.50	2.70	2.90
KNR5020-3R0N	3.0±30%	0.049	0.038	49	2.55	2.80	2.70	2.90
KNR5020-3R3N	3.3±30%	0.056	0.043	46	2.55	3.00	2.50	2.70
KNR5020-3R6N	3.6±30%	0.056	0.043	43	2.80	3.00	2.50	2.70
KNR5020-3R9N	3.9±30%	0.056	0.043	40	2.30	2.80	2.50	2.70
KNR5020-4R3M	4.3±20%	0.074	0.057	37	2.50	3.00	2.20	2.40
KNR5020-4R7M	4.7±20%	0.074	0.057	37	2.50	2.70	2.20	2.40
KNR5020-5R1M	5.1±20%	0.083	0.064	32	2.25	2.60	2.05	2.20
KNR5020-5R6M	5.6±20%	0.083	0.064	32	2.30	2.50	2.05	2.20
KNR5020-6R8M	6.8±20%	0.108	0.083	30	2.05	2.20	1.80	1.90
KNR5020-7R5M	7.5±20%	0.117	0.090	26	1.85	2.00	1.75	1.90
KNR5020-8R2M	8.2±20%	0.127	0.098	26	1.85	2.00	1.65	1.80
KNR5020-9R1M	9.1±20%	0.143	0.110	24	1.70	1.80	1.55	1.70
KNR5020-100M	10±20%	0.143	0.110	24	1.70	1.80	1.55	1.70
KNR5020-120M	12±20%	0.182	0.140	22	1.50	1.60	1.40	1.50
KNR5020-150M	15±20%	0.215	0.165	20	1.35	1.40	1.25	1.30
KNR5020-180M	18±20%	0.260	0.20	16	1.25	1.30	1.15	1.20

Wire Wound SMD Power Inductor-KNR Series

KNR5020-220M	22±20%	0.294	0.226	14	1.15	1.20	1.10	1.20
KNR5020-330M	33±20%	0.507	0.390	10	0.92	1.00	0.90	0.99
KNR5020-470M	47±20%	0.680	0.523	7	0.77	0.84	0.77	0.84
KNR5020-560M	56±20%	0.819	0.630	6	0.77	0.84	0.70	0.77
KNR5020-620M	62±20%	0.819	0.630	6	0.60	0.80	0.70	0.77
KNR5020-680M	68±20%	0.962	0.740	6	0.65	0.70	0.64	0.70
KNR5020-820M	82±20%	1.158	0.965	6	0.65	0.75	0.50	0.60
KNR5020-101M	100±20%	1.430	1.10	6	0.53	0.58	0.53	0.58
KNR5020-121M	120±20%	1.755	1.350	6	0.42	0.53	0.40	0.50
KNR5020-151M	150±20%	2.795	2.150	4	0.55	0.63	0.35	0.40
KNR5020-201M	200±20%	2.60	2.0	4.5	0.30	0.33	0.40	0.45
KNR5020-221M	220±20%	3.094	2.380	2.9	0.30	0.40	0.37	0.43
KNR5020-561M	560±20%	9.061	6.970	3.2	0.24	0.30	0.20	0.30

KNR5040 Series

Part Number	Inductance @100KHz 1V	DC Resistance		Self-resonant Frequency	Saturation Current*3		Heat Rating Current *4	
		Max.	Typ.		Min.	Max.	Typ.	Max.
Units	uH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
KNR5040-R22M	0.22 ±20%	0.008	0.006	289	18.00	20.00	6.50	7.50
KNR5040-R24N	0.24 ±30%	0.008	0.006	251	15.70	18.00	6.40	7.40
KNR5040-R47M	0.47 ±20%	0.009	0.007	171	10.00	11.50	6.60	7.60
KNR5040-1R0N	1.0±30%	0.016	0.012	117	7.35	8.00	4.90	5.00
KNR5040-1R2N	1.2±30%	0.021	0.016	110	6.50	7.00	4.15	4.25
KNR5040-1R5N	1.5±30%	0.020	0.015	86	6.30	6.80	4.30	4.85
KNR5040-1R8M	1.8±20%	0.021	0.016	55	5.50	6.05	4.15	4.30
KNR5040-2R2N	2.2±30%	0.025	0.019	50	4.90	5.50	3.80	4.20
KNR5040-2R7N	2.7±30%	0.029	0.022	37	4.30	4.80	3.60	4.00
KNR5040-3R0N	3.0±30%	0.029	0.022	37	4.15	4.60	3.60	4.00
KNR5040-3R3N	3.3±30%	0.031	0.024	32	3.95	4.45	3.40	3.90
KNR5040-3R6M	3.6±20%	0.034	0.026	30	3.80	4.40	3.30	3.70
KNR5040-3R9N	3.9±30%	0.035	0.027	29	3.55	4.00	3.20	3.70
KNR5040-4R7N	4.7±30%	0.039	0.030	28	3.50	3.80	3.00	3.30
KNR5040-5R6M	5.6±20%	0.046	0.035	27	3.00	3.70	2.80	3.10
KNR5040-6R8M	6.8±20%	0.056	0.043	21	2.90	3.40	2.50	2.80
KNR5040-8R2M	8.2±20%	0.062	0.048	20	2.70	2.90	2.30	2.60
KNR5040-100M	10±20%	0.083	0.064	18	2.35	2.70	2.10	2.35
KNR5040-120M	12±20%	0.100	0.077	14	2.2	2.5	2.0	2.1
KNR5040-150M	15±20%	0.112	0.086	13	2.00	2.20	2.00	2.05

Wire Wound SMD Power Inductor-KNR Series

KNR5040-180M	18±20%	0.155	0.119	12	1.70	2.00	1.45	1.65
KNR5040-220M	22±20%	0.168	0.129	11	1.60	1.80	1.50	1.60
KNR5040-270M	27±20%	0.244	0.188	9.8	1.52	1.75	1.10	1.25
KNR5040-330M	33±20%	0.244	0.188	9	1.30	1.45	1.20	1.35
KNR5040-470M	47±20%	0.354	0.272	7	1.10	1.20	1.00	1.15
KNR5040-510M	51±20%	0.494	0.380	6	1.00	1.20	1.00	1.10
KNR5040-560M	56±20%	0.494	0.380	6	1.05	1.20	0.80	0.90
KNR5040-680M	68±20%	0.520	0.40	6	0.90	1.00	0.80	0.90
KNR5040-750M	75±20%	0.585	0.450	6	0.85	0.95	0.72	0.80
KNR5040-101M	100±20%	0.728	0.560	5	0.75	0.85	0.70	0.78
KNR5040-151M	150±20%	0.975	0.750	3.7	0.65	0.67	0.60	0.70
KNR5040-221M	220±20%	1.820	1.40	3.0	0.48	0.55	0.40	0.50
KNR5040-301M	300±20%	2.60	2.0	2.7	0.50	0.58	0.35	0.40
KNR5040-331M	330±20%	2.730	2.10	2.7	0.42	0.47	0.40	0.50
KNR5040-471M	470±20%	3.90	3.0	2.7	0.37	0.43	0.35	0.40
KNR5040-561M	560±20%	4.920	3.780	1.3	0.31	0.36	0.31	0.35
KNR5040-681M	680±20%	5.070	3.90	1.3	0.30	0.35	0.25	0.30
KNR5040-102M	1000±20%	7.80	6.0	1.3	0.21	0.25	0.20	0.23
KNR5040-152M	1500±20%	10.582	8.140	1.2	0.20	0.23	0.19	0.22
KNR5040-202M	2000±20%	14.760	12.300	1.0	0.17	0.20	0.14	0.16
KNR5040-282M	2800±20%	24.700	19.000	0.88	0.15	0.175	0.105	0.12
KNR5040-332M	3300±20%	25.20	21.0	0.9	0.140	0.150	0.100	0.120
KNR5040-392M	3900±20%	30.55	23.50	0.8	0.125	0.150	0.100	0.115
KNR5040-472M	4700±20%	45.50	35.0	0.6	0.110	0.130	0.080	0.100
KNR5040-502M	5000±20%	43.16	35.97	0.49	0.110	0.130	0.085	0.098
KNR5040-562M	5600±20%	50.70	39.0	0.49	0.105	0.120	0.080	0.092
KNR5040-682M	6800±20%	55.90	43.0	0.38	0.090	0.110	0.075	0.086
KNR5040-822M	8200±20%	55.90	43.0	0.38	0.070	0.085	0.075	0.086
KNR5040-103M	10000±20%	58.50	45.0	0.32	0.065	0.075	0.075	0.086

KNR5045- Series

Part Number	Inductance @100kHz 1V	DC Resistance		Self-resonant Frequency	Saturation Current*3		Heat Rating Current *4	
		Max.	Typ.		Min.	Max.	Typ.	Max.
Units	uH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
KNR5045-1R5M	1.5±20%	0.022	0.017	78	7.40	8.50	5.20	5.90
KNR5045-2R2M	2.2±20%	0.029	0.022	50	6.40	7.20	4.70	5.40
KNR5045-3R3M	3.3±20%	0.035	0.027	36	5.20	6.00	4.20	4.85

Wire Wound SMD Power Inductor-KNR Series

KNR5045-3R6M	3.6±20%	0.030	0.023	33	5.15	5.90	4.55	5.25
KNR5045-4R7M	4.7±20%	0.047	0.036	27	5.00	5.60	3.20	3.70
KNR5045-6R8M	6.8±20%	0.056	0.043	28	3.78	4.35	2.93	3.38
KNR5045-100M	10±20%	0.079	0.061	17	3.20	3.70	2.50	2.90
KNR5045-220M	22±20%	0.163	0.125	10	2.00	2.35	1.55	1.80
KNR5045-330M	33±20%	0.256	0.213	7	1.63	1.88	1.13	1.30

KNR6020 Series

Part Number	Inductance @100kHz 1V	DC Resistance		Self-resonant Frequency Min.	Saturation Current*3		Heat Rating Current *4	
		Max.	Typ.		Max.	Typ.	Max.	Typ.
Units	uH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
KNR6020-R50N	0.50±30%	0.018	0.014	120	4.50	6.00	4.00	5.00
KNR6020-R68N	0.68±30%	0.022	0.017	115	6.55	7.80	3.80	4.80
KNR6020-R82N	0.82±30%	0.022	0.017	110	5.30	6.30	3.80	4.80
KNR6020-1R0N	1.0±30%	0.020	0.020	100	4.15	5.00	3.50	4.40
KNR6020-1R2N	1.2±30%	0.029	0.022	88	5.90	7.00	3.20	4.00
KNR6020-1R5N	1.5±30%	0.029	0.022	79	4.25	5.10	3.20	4.00
KNR6020-1R8N	1.8±30%	0.036	0.028	68	4.85	5.80	2.75	3.50
KNR6020-2R0N	2.0±30%	0.046	0.035	65	4.10	4.90	2.60	3.30
KNR6020-2R2N	2.2±30%	0.036	0.028	61	3.75	4.50	2.75	3.50
KNR6020-2R7N	2.7±30%	0.046	0.035	56	3.90	4.60	2.60	3.30
KNR6020-3R3N	3.3±30%	0.046	0.035	51	3.15	3.70	2.60	3.30
KNR6020-3R9N	3.9±30%	0.064	0.049	45	3.25	3.90	2.10	2.60
KNR6020-4R3N	4.3±30%	0.064	0.049	44	2.70	3.20	2.10	2.60
KNR6020-4R7N	4.7±30%	0.075	0.058	41	3.00	3.60	2.00	2.50
KNR6020-5R6N	5.6±30%	0.075	0.058	36	2.40	2.90	1.90	2.40
KNR6020-6R2N	6.2±30%	0.103	0.079	31	2.30	2.70	1.80	2.30
KNR6020-6R8N	6.8±30%	0.103	0.079	31	2.20	2.60	1.80	2.30
KNR6020-8R2N	8.2±30%	0.137	0.105	27	2.10	2.60	1.40	1.80
KNR6020-100M	10±20%	0.137	0.105	27	1.75	2.10	1.40	1.80
KNR6020-120M	12±20%	0.156	0.120	25	1.45	1.70	1.30	1.60
KNR6020-150M	15±20%	0.189	0.145	21	1.20	1.40	1.20	1.50
KNR6020-180M	18±20%	0.234	0.180	18	1.20	1.40	1.08	1.40
KNR6020-220M	22±20%	0.265	0.204	16	1.05	1.20	1.00	1.30
KNR6020-330M	33±20%	0.390	0.30	11	0.95	1.10	0.84	1.05
KNR6020-470M	47±20%	0.559	0.430	10	0.70	0.90	0.80	0.90
KNR6020-680M	68±20%	0.820	0.630	8.7	0.50	0.60	0.75	0.86
KNR6020-101M	100±20%	1.200	1.000	7	0.64	0.84	0.50	0.58

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KNR6020-151M	150±20%	2.080	1.600	6	0.50	0.60	0.45	0.52
KNR6020-221M	220±20%	3.461	2.662	4.7	0.45	0.55	0.33	0.38
KNR6020-331M	330±20%	3.419	2.630	3	0.27	0.33	0.033	0.39

KNR6028 Series

Part Number	Inductance @100kHz 1V	DC Resistance		Self-resonant Frequency	Saturation Current*3		Heat Rating Current *4	
		Max.	Typ.		Min.	Max.	Typ.	Max.
Units	uH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
KNR6028-R82N	0.82±30%	0.016	0.012	97	6.50	9.00	5.20	6.00
KNR6028-1R0N	1.0±30%	0.013	0.010	70	5.75	7.00	5.20	5.70
KNR6028-1R2N	1.2±30%	0.017	0.013	69	6.40	7.50	4.58	5.00
KNR6028-1R5N	1.5±30%	0.017	0.013	65	6.00	6.60	4.58	5.00
KNR6028-2R2N	2.2±30%	0.026	0.020	48	5.10	5.60	3.75	4.10
KNR6028-2R7N	2.7±30%	0.026	0.020	48	3.80	4.10	3.75	4.10
KNR6028-3R3N	3.3±30%	0.033	0.025	41	4.15	4.50	3.48	3.80
KNR6028-3R6N	3.6±30%	0.035	0.027	40	3.20	4.20	5.40	6.00
KNR6028-3R9N	3.9±30%	0.042	0.032	31	3.50	4.50	4.20	4.80
KNR6028-4R3N	4.3±30%	0.042	0.032	28	3.30	3.80	4.20	4.80
KNR6028-4R7N	4.7±30%	0.039	0.030	35	3.00	3.30	3.08	3.40
KNR6028-5R1N	5.1±30%	0.056	0.043	32	3.20	3.50	2.60	2.80
KNR6028-5R6N	5.6±30%	0.056	0.043	30	3.00	3.50	2.60	3.00
KNR6028-6R2M	6.2±20%	0.061	0.047	30	3.05	3.30	2.40	2.60
KNR6028-6R8M	6.8±20%	0.061	0.047	27	2.60	3.00	2.40	2.60
KNR6028-8R2M	8.2±20%	0.072	0.055	24	2.30	2.50	2.25	2.50
KNR6028-9R1M	9.1±20%	0.096	0.074	24	2.55	2.80	2.15	2.40
KNR6028-100M	10±20%	0.094	0.072	23	2.04	2.50	1.95	2.40
KNR6028-120M	12±20%	0.104	0.080	18	1.80	2.00	1.85	2.00
KNR6028-150M	15±20%	0.163	0.125	18	1.75	1.90	1.45	1.60
KNR6028-180M	18±20%	0.156	0.120	15	1.52	1.80	1.45	1.60
KNR6028-220M	22±20%	0.182	0.140	14	1.45	1.80	1.40	1.60
KNR6028-270M	27±20%	0.202	0.155	13	1.50	1.60	1.32	1.40
KNR6028-330M	33±20%	0.241	0.185	12	1.35	1.50	1.22	1.30
KNR6028-360M	36±20%	0.280	0.215	11	1.25	1.40	1.13	1.20
KNR6028-390M	39±20%	0.293	0.225	11	1.25	1.40	1.10	1.20
KNR6028-470M	47±20%	0.410	0.315	9.5	1.15	1.30	1.06	1.10
KNR6028-510M	51±20%	0.442	0.340	10	0.80	0.92	1.00	1.20
KNR6028-560M	56±20%	0.449	0.345	8.2	1.05	1.20	0.89	1.00
KNR6028-680M	68±20%	0.468	0.360	7.7	0.80	0.95	0.86	0.95

Wire Wound SMD Power Inductor-KNR Series

KNR6028-750M	75±20%	0.533	0.410	7.7	0.90	0.99	0.81	0.90
KNR6028-820M	82±20%	0.650	0.50	7.7	0.80	0.88	0.70	0.77
KNR6028-101M	100±20%	0.650	0.50	7.1	0.65	0.71	0.70	0.77
KNR6028-151M	150±20%	0.780	0.600	1.8	0.50	0.58	0.70	0.80
KNR6028-221M	220±20%	1.729	1.330	3.4	0.40	0.50	0.50	0.57
KNR6028-331M	330±20%	3.640	2.800	2.6	0.30	0.40	0.35	0.40
KNR6028-401M	400±20%	2.808	2.160	2.8	0.30	0.33	0.40	0.45
KNR6028-681M	680±20%	6.630	5.100	1.8	0.23	0.30	0.24	0.28
KNR6028-102M	1000±20%	7.540	5.80	1.5	0.18	0.22	0.23	0.26

KNR6040 Series

Part Number	Inductance	DC Resistance		Self-resonant Frequency	Saturation Current*3		Heat Rating Current *4	
	@100kHz 1V	Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	uH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
KNR6040-1R0M	1.0±20%	0.010	0.008	97	7.85	9.05	6.30	7.20
KNR6040-1R5M	1.5±20%	0.016	0.012	47	7.40	8.51	4.50	5.18
KNR6040-2R2M	2.2±20%	0.019	0.015	35	7.50	8.63	4.80	5.50
KNR6040-4R7M	4.7±20%	0.027	0.023	25	4.50	5.00	4.00	4.70
KNR6040-6R8M	6.8±20%	0.052	0.040	21	4.25	4.90	2.97	3.43
KNR6040-8R2M	8.2±20%	0.059	0.045	18	3.30	4.00	2.80	3.20
KNR6040-100M	10±20%	0.062	0.048	16	3.20	3.50	2.45	2.80
KNR6040-120M	12±20%	0.075	0.058	14	2.80	3.25	2.20	2.55
KNR6040-150M	15±20%	0.088	0.068	13	2.50	3.00	2.05	2.35
KNR6040-180M	18±20%	0.108	0.083	11	2.30	2.75	1.85	2.10
KNR6040-220M	22±20%	0.116	0.089	10	2.05	2.50	1.80	2.05
KNR6040-330M	33±20%	0.178	0.137	9.9	1.65	2.00	1.45	1.65
KNR6040-470M	47±20%	0.287	0.221	6.7	1.40	1.61	1.18	1.36
KNR6040-680M	68±20%	0.370	0.285	5.6	1.15	1.40	0.95	1.10
KNR6040-101M	100±20%	0.502	0.418	3.8	0.92	1.08	0.96	1.10
KNR6040-121M	120±20%	0.663	0.510	5.2	0.91	1.10	0.80	0.90
KNR6040-181M	180±20%	1.001	0.770	3.8	0.69	0.83	0.64	0.72
KNR6040-221M	220±20%	1.430	1.100	2.9	0.70	0.80	0.55	0.64
KNR6040-331M	330±20%	1.490	1.240	2.4	0.52	0.58	0.52	0.58
KNR6040-471M	470±20%	2.500	1.790	2.0	0.42	0.50	0.47	0.55

KNR6045 Series

Part Number	Inductance @100kHz 1V	DC Resistance		Self-resonant Frequency	Saturation Current*3		Heat Rating Current *4	
		Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	uH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
KNR6045-R47N	0.47±30%	0.008	0.006	155	15.00	16.50	6.50	6.60
KNR6045-R56N	0.56±30%	0.008	0.006	142	14.00	15.00	6.50	7.50
KNR6045-R68N	0.68±30%	0.008	0.006	99	11.00	12.00	5.70	6.50
KNR6045-R82N	0.82±30%	0.010	0.008	140	10.35	11.00	5.90	6.50
KNR6045-1R0N	1.0±30%	0.014	0.011	100	9.85	10.00	5.14	5.60
KNR6045-1R2N	1.2±30%	0.013	0.010	100	8.35	9.10	5.40	5.90
KNR6045-1R3N	1.3±30%	0.013	0.010	100	8.35	9.10	5.40	5.90
KNR6045-1R5N	1.5±30%	0.016	0.012	65	8.80	9.70	4.95	5.40
KNR6045-1R8N	1.8±30%	0.016	0.012	74	7.60	8.40	4.95	5.40
KNR6045-2R2N	2.2±30%	0.018	0.014	52	6.75	7.40	4.60	5.00
KNR6045-2R3N	2.3±30%	0.027	0.021	60	6.00	6.60	3.50	3.80
KNR6045-2R7N	2.7±30%	0.020	0.015	38	5.75	6.30	4.30	4.70
KNR6045-3R0N	3.0±30%	0.026	0.020	35	5.60	6.20	3.80	4.20
KNR6045-3R3N	3.3±30%	0.027	0.021	32	5.90	6.20	3.70	4.00
KNR6045-3R6N	3.6±30%	0.027	0.021	28	5.25	5.70	3.70	4.00
KNR6045-4R3M	4.3±20%	0.030	0.023	23	4.45	4.90	3.50	3.80
KNR6045-4R5M	4.5±20%	0.034	0.026	24	4.97	5.50	3.30	3.60
KNR6045-4R7M	4.7±20%	0.034	0.026	24	4.97	5.50	3.30	3.60
KNR6045-5R1M	5.1±20%	0.034	0.026	23	4.40	4.80	3.30	3.60
KNR6045-5R6M	5.6±20%	0.038	0.029	23	4.15	4.60	3.15	3.40
KNR6045-6R2M	6.2±20%	0.040	0.031	26	4.43	4.80	3.00	3.30
KNR6045-6R3M	6.3±20%	0.040	0.031	26	4.43	4.70	3.00	3.30
KNR6045-6R8M	6.8±20%	0.040	0.031	20	3.90	4.30	3.00	3.30
KNR6045-7R5M	7.5±20%	0.044	0.034	18	3.50	3.80	2.90	3.20
KNR6045-8R2M	8.2±20%	0.056	0.043	21	3.90	4.30	2.60	2.80
KNR6045-9R1M	9.1±20%	0.056	0.043	17	3.35	3.70	2.60	2.80
KNR6045-100M	10±20%	0.062	0.048	15	3.20	3.50	2.45	2.70
KNR6045-120M	12±20%	0.075	0.058	13	2.80	3.00	2.20	2.40
KNR6045-150M	15±20%	0.088	0.068	12	2.50	2.70	2.05	2.20
KNR6045-180M	18±20%	0.105	0.081	10	2.20	2.40	1.85	2.00
KNR6045-220M	22±20%	0.116	0.089	10	2.05	2.20	1.80	2.00
KNR6045-270M	27±20%	0.133	0.102	9.2	1.90	2.10	1.65	1.80
KNR6045-300M	30±20%	0.172	0.132	7.8	1.70	1.80	1.50	1.60
KNR6045-330M	33±20%	0.178	0.137	7.8	1.65	1.80	1.45	1.60

Wire Wound SMD Power Inductor-KNR Series

KNR6045-360M	36±20%	0.225	0.173	7.8	1.62	1.80	1.40	1.50
KNR6045-390M	39±20%	0.234	0.180	7.8	1.50	1.60	1.25	1.40
KNR6045-430M	43±20%	0.260	0.20	7.7	1.63	1.80	1.20	1.30
KNR6045-470M	47±20%	0.260	0.20	6.4	1.40	1.50	1.20	1.30
KNR6045-510M	51±20%	0.269	0.207	6.4	1.35	1.50	1.15	1.20
KNR6045-560M	56±20%	0.287	0.221	6.4	1.30	1.40	1.10	1.20
KNR6045-620M	62±20%	0.306	0.235	6.4	1.25	1.40	1.10	1.20
KNR6045-680M	68±20%	0.376	0.289	6.4	1.20	1.30	1.00	1.10
KNR6045-750M	75±20%	0.397	0.305	5	1.15	1.20	0.95	1.00
KNR6045-820M	82±20%	0.443	0.341	4.9	1.05	1.10	0.90	0.99
KNR6045-910M	91±20%	0.467	0.359	4.9	1.00	1.10	0.85	0.94
KNR6045-101M	100±20%	0.563	0.433	4.2	0.95	1.00	0.80	0.88
KNR6045-121M	120±20%	0.629	0.484	4.2	0.85	0.94	0.77	0.85
KNR6045-151M	150±20%	0.754	0.580	4.2	0.80	0.88	0.70	0.77
KNR6045-221M	220±20%	1.084	0.834	3.5	0.70	0.77	0.59	0.65
KNR6045-271M	270±20%	1.425	1.096	2.8	0.65	0.75	0.55	0.63
KNR6045-331M	330±20%	1.651	1.270	2.8	0.57	0.63	0.57	0.63
KNR6045-391M	390±20%	2.340	1.800	2.1	0.50	0.58	0.40	0.46
KNR6045-471M	470±20%	2.340	1.80	2.0	0.500	0.560	0.420	0.480
KNR6045-561M	560±20%	3.224	2.480	1.9	0.46	0.53	0.33	0.38
KNR6045-681M	680±20%	3.250	2.50	1.7	0.420	0.460	0.330	0.380
KNR6045-751M	750±20%	4.810	3.700	1.5	0.400	0.460	0.300	0.340
KNR6045-821M	820±20%	4.810	3.700	1.1	0.360	0.420	0.300	0.340
KNR6045-102M	1000±20%	5.85	4.50	1.30	0.300	0.350	0.300	0.350
KNR6045-152M	1500±20%	8.10	6.75	1.05	0.240	0.290	0.210	0.240
KNR6045-202K	2000±10%	11.64	9.70	0.90	0.210	0.250	0.175	0.202
KNR6045-222K	2200±10%	12.00	10.00	0.90	0.205	0.240	0.169	0.195
KNR6045-252K	2500±10%	12.68	10.57	0.80	0.200	0.230	0.167	0.193
KNR6045-332K	3300±10%	15.30	13.00	0.70	0.170	0.200	0.150	0.170
KNR6045-472K	4700±10%	22.50	18.75	0.60	0.150	0.170	0.120	0.140
KNR6045-502K	5000±10%	24.00	20.00	0.60	0.135	0.165	0.115	0.130
KNR6045-602K	6000±10%	36.00	30.00	0.55	0.125	0.150	0.097	0.113
KNR6045-682K	6800±10%	37.40	31.20	0.50	0.120	0.140	0.095	0.110
KNR6045-702K	7000±10%	39.60	33.00	0.50	0.120	0.145	0.090	0.105
KNR6045-802K	8000±10%	42.60	35.50	0.45	0.115	0.135	0.085	0.100
KNR6045-103K	10000±10%	48.00	40.00	0.40	0.100	0.120	0.080	0.090
KNR6045-123K	12000±10%	68.40	57.00	0.35	0.095	0.110	0.065	0.075
KNR6045-143K	14000±10%	76.20	63.50	0.30	0.090	0.100	0.063	0.073
KNR6045-153K	15000±10%	77.40	64.50	0.30	0.080	0.090	0.060	0.070

KNR8040- Series

Part Number	Inductance @100kHz 1V	DC Resistance		Self-resonant Frequency	Saturation Current*3		Heat Rating Current *4	
		Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	uH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
KNR8040-R82N	0.82±30%	0.010	0.008	94	13.80	16.00	6.30	6.90
KNR8040-1R0N	1.0±30%	0.010	0.008	89	9.85	14.00	6.30	6.90
KNR8040-1R2N	1.2±30%	0.013	0.010	59	10.00	14.00	5.65	6.20
KNR8040-1R5N	1.5±30%	0.013	0.010	67	8.15	11.00	5.65	6.20
KNR8040-2R0N	2.0±30%	0.016	0.012	43	9.25	10.00	5.15	5.60
KNR8040-2R2N	2.2±30%	0.016	0.012	41	7.10	8.00	5.15	5.60
KNR8040-3R0N	3.0±30%	0.018	0.014	32	6.10	7.00	4.70	5.20
KNR8040-3R3N	3.3±30%	0.022	0.017	27	6.50	7.00	4.40	4.80
KNR8040-3R6N	3.6±30%	0.022	0.017	30	7.52	8.50	4.35	4.80
KNR8040-3R9N	3.9±30%	0.022	0.017	26	5.75	6.50	4.35	4.80
KNR8040-4R7N	4.7±30%	0.025	0.019	24	5.90	6.50	4.10	4.50
KNR8040-5R1N	5.1±30%	0.025	0.019	22	4.70	5.40	4.05	4.40
KNR8040-5R6N	5.6±30%	0.027	0.021	24	6.00	6.90	3.85	4.20
KNR8040-6R2N	6.2±30%	0.027	0.021	20	4.45	5.10	3.85	4.20
KNR8040-6R8M	6.8±20%	0.031	0.024	20	4.55	5.20	3.60	4.00
KNR8040-8R2M	8.2±20%	0.034	0.026	17	4.20	4.80	3.45	3.80
KNR8040-100M	10±20%	0.038	0.029	15	3.60	4.10	3.30	3.60
KNR8040-120M	12±20%	0.053	0.041	13	3.50	4.00	2.80	3.00
KNR8040-150M	15±20%	0.061	0.047	12	2.95	3.40	2.60	2.80
KNR8040-180M	18±20%	0.069	0.053	11	2.70	3.10	2.40	2.60
KNR8040-220M	22±20%	0.090	0.069	9.5	2.40	2.70	2.10	2.30
KNR8040-270M	27±20%	0.101	0.078	9.2	2.15	2.50	2.00	2.20
KNR8040-330M	33±20%	0.126	0.097	7.8	2.05	2.40	1.80	2.00
KNR8040-360M	36±20%	0.133	0.102	7.8	2.00	2.30	1.75	1.90
KNR8040-390M	39±20%	0.139	0.107	7.8	1.95	2.20	1.70	1.90
KNR8040-430M	43±20%	0.147	0.113	7.8	1.90	2.20	1.65	1.80
KNR8040-470M	47±20%	0.177	0.136	6.4	1.75	2.00	1.55	1.70
KNR8040-510M	51±20%	0.185	0.142	6.4	1.70	1.90	1.50	1.60
KNR8040-620M	62±20%	0.237	0.182	6.4	1.50	1.60	1.30	1.40
KNR8040-680M	68±20%	0.255	0.196	4.9	1.45	1.60	1.25	1.40
KNR8040-750M	75±20%	0.274	0.211	4.9	1.35	1.50	1.20	1.30
KNR8040-820M	82±20%	0.293	0.225	5.9	1.30	1.40	1.15	1.20
KNR8040-910M	91±20%	0.354	0.272	4.9	1.20	1.30	1.05	1.10
KNR8040-101M	100±20%	0.377	0.290	4.2	1.15	1.30	1.00	1.10

Wire Wound SMD Power Inductor-KNR Series

KNR8040-121M	120±20%	0.434	0.334	3.5	1.05	1.10	0.95	1.00
KNR8040-151M	150±20%	0.533	0.410	3.5	1.10	1.20	0.85	0.94
KNR8040-181M	180±20%	0.676	0.520	3.5	0.95	1.15	0.83	0.92
KNR8040-221M	220±20%	0.779	0.599	3.5	0.85	0.94	0.80	0.88
KNR8040-271M	270±20%	0.975	0.750	3	0.80	0.95	0.75	0.78
KNR8040-331M	330±20%	1.156	0.889	2.8	0.68	0.75	0.64	0.70
KNR8040-391M	390±20%	1.118	0.860	2.2	0.53	0.68	0.60	0.70
KNR8040-471M	470±20%	1.625	1.260	2.1	0.60	0.70	0.50	0.60
KNR8040-561M	560±20%	2.327	1.790	2.3	0.50	0.60	0.47	0.54
KNR8040-681M	680±20%	2.652	2.040	1.7	0.50	0.60	0.45	0.50
KNR8040-821M	820±20%	3.640	2.800	1.7	0.53	0.60	0.35	0.40
KNR8040-102M	1000±20%	3.640	2.80	1.4	0.40	0.50	0.35	0.40
KNR8040-152M	1500±20%	6.50	5.0	1.0	0.32	0.38	0.26	0.27

KNR8050 Series

Part Number	Inductance @100kHz 1V	DC Resistance		Self-resonant Frequency	Saturation Current*3		Heat Rating Current *4	
		Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	uH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
KNR8050-1R5M	1.5±20%	0.012	0.010	63	10.00	12.00	6.00	6.40
KNR8050-102M	1000±20%	2.52	2.10	1.5	0.32	0.35	0.33	0.35
KNR8050-122KY01	1200±10%	5.40	4.50	1.0	0.70	0.80	0.30	0.35
KNR8050-152KY01	1500±10%	5.01	6.01	0.9	0.60	0.70	0.29	0.33
KNR8050-103M	10000±20%	22.80	19.0	0.35	0.09	0.10	0.11	0.13

KNR8060- Series

Part Number	Inductance @100kHz 1V	DC Resistance		Self-resonant Frequency	Saturation Current*3		Heat Rating Current *4	
		Max.	Typ.	Min.	Max.	Typ.	Max.	Typ.
Units	uH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
KNR8060-681KY01	680±10%	2.17	1.81	1.26	0.72	0.82	0.46	0.53
KNR8060-162KY01	1600±10%	4.50	3.75	0.87	0.47	0.55	0.33	0.38
KNR8060-202KY01	2000±10%	5.80	4.83	0.81	0.42	0.50	0.28	0.32
KNR8060-222KY01	2200±10%	6.88	5.73	0.73	0.42	0.49	0.26	0.30
KNR8060-502KY01	5000±10%	14.90	12.40	0.38	0.27	0.31	0.18	0.21

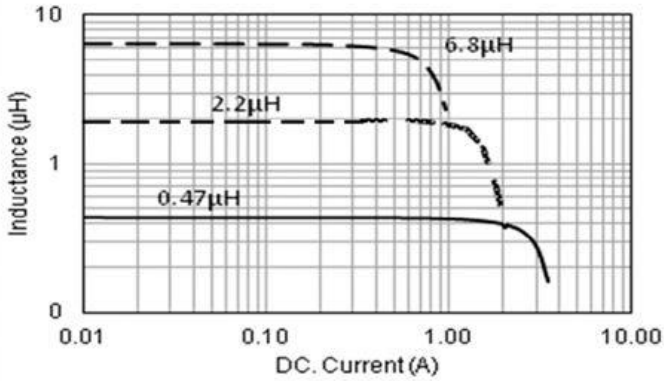
KNR8065 Series

Part Number	Inductance @100kHz 1V	DC Resistance		Self-resonant Frequency	Saturation Current*3		Heat Rating Current *4	
		Max.	Typ.		Min.	Max.	Typ.	Max.
Units	uH	Ω		MHz	A		A	
Symbol	L	DCR		S.R.F	Isat		Irms	
KNR8065-R68M	0.68±20%	0.008	0.007	100	24.00	26.00	7.50	8.50
KNR8065-1R0M	1.0±20%	0.011	0.008	96	20.0	22.0	7.00	8.00
KNR8065-2R2M	2.2±20%	0.016	0.013	45	12.00	13.80	4.50	5.20
KNR8065-3R3M	3.3±20%	0.018	0.015	27	9.50	10.00	5.10	5.90
KNR8065-4R7MT	4.7±20%	0.022	0.018	18	8.50	9.50	4.70	5.40
KNR8065-5R6M	5.6±20%	0.026	0.022	17	8.00	9.00	4.50	5.20
KNR8065-6R8M	6.8±20%	0.026	0.022	16	7.50	8.00	4.50	5.20
KNR8065-8R2M	8.2±20%	0.031	0.026	15	7.00	7.70	4.20	4.80
KNR8065-100M	10±20%	0.044	0.037	13	8.00	8.90	3.20	3.70
KNR8065-150M	15±20%	0.053	0.044	10	5.70	6.70	3.30	3.80
KNR8065-220M	22±20%	0.072	0.060	8	4.30	4.80	2.70	3.10
KNR8065-470M	47±20%	0.152	0.127	7	3.40	3.70	1.85	2.15
KNR8065-560M	56±20%	0.198	0.165	6	3.20	3.70	1.35	1.55
KNR8065-680M	68±20%	0.218	0.182	5	2.70	3.20	1.55	1.80
KNR8065-101M	100±20%	0.280	0.233	3.1	2.00	2.40	1.35	1.45
KNR8065-151M	150±20%	0.440	0.353	2.5	1.60	2.00	0.95	1.10
KNR8065-221M	220±20%	0.656	0.547	2.0	1.20	1.50	0.80	0.90
KNR8065-331M	330±20%	0.840	0.700	1.7	1.00	1.20	0.75	0.85
KNR8065-431M	430±20%	1.20	1.00	1.5	0.95	1.05	0.61	0.69
KNR8065-471M	470±20%	1.560	1.300	1.4	1.00	1.20	0.55	0.65
KNR8065-681M	680±20%	1.944	1.620	1.0	0.85	1.00	0.52	0.60
KNR8065-102M	1000±20%	2.82	2.35	1.1	0.65	0.73	0.40	0.45
KNR8065-152M	1500±20%	4.380	3.65	0.7	0.54	0.60	0.32	0.37
KNR8065-222M	2200±20%	6.00	5.00	0.7	0.45	0.51	0.27	0.31
KNR8065-332M	3300±20%	8.76	7.30	0.7	0.36	0.40	0.23	0.26
KNR8065-472M	4700±20%	14.58	12.15	0.4	0.29	0.33	0.18	0.20
KNR8065-682M	6800±20%	22.44	18.70	0.4	0.26	0.29	0.14	0.16
KNR8065-103M	10000±20%	27.36	22.80	0.4	0.20	0.23	0.13	0.15

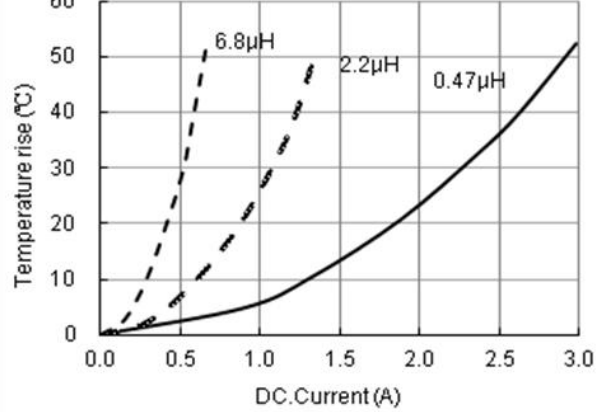
TYPICAL ELECTRICAL CHARACTERISTICS

KNR201610 Series

Temperature vs. DC Current Characteristics

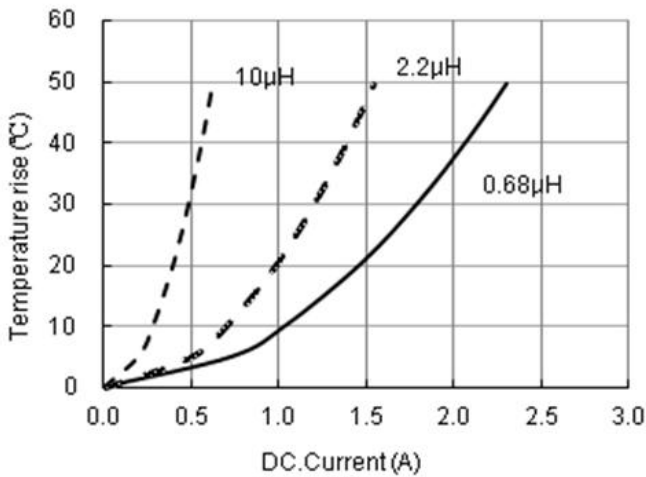


Inductance vs. DC Current Characteristics

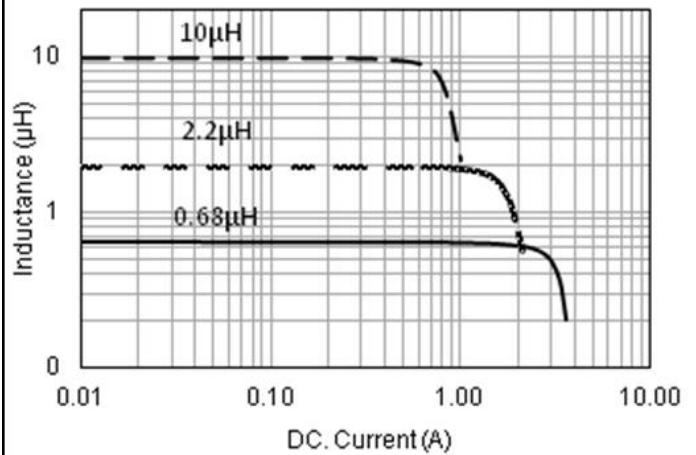


KNR202012 Series

Temperature vs. DC Current Characteristics

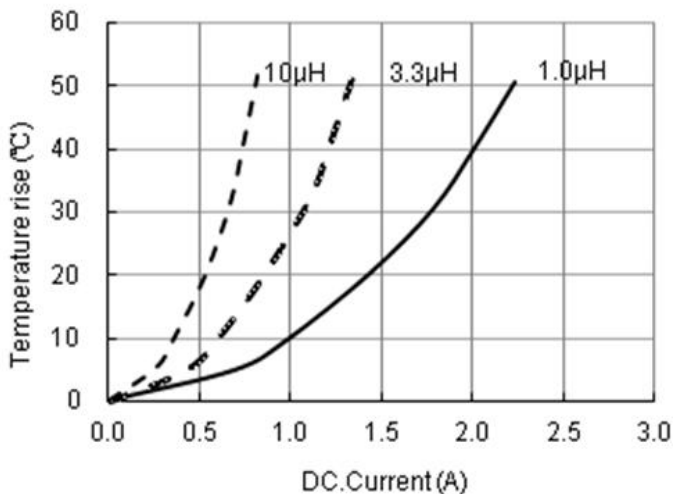


Inductance vs. DC Current Characteristics

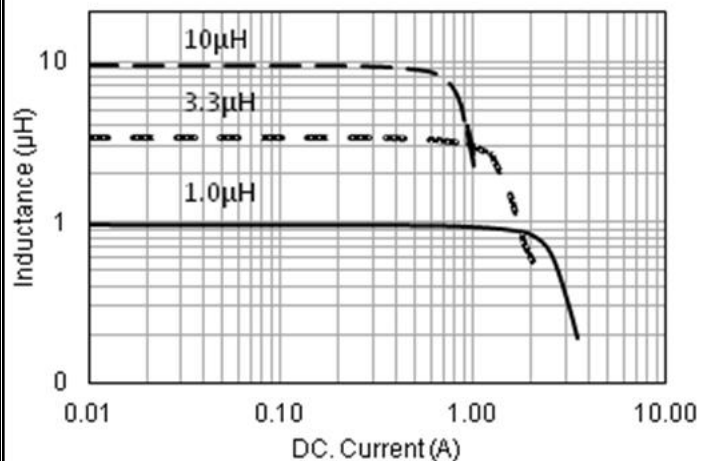


KNR252010- Series

Temperature vs. DC Current Characteristics



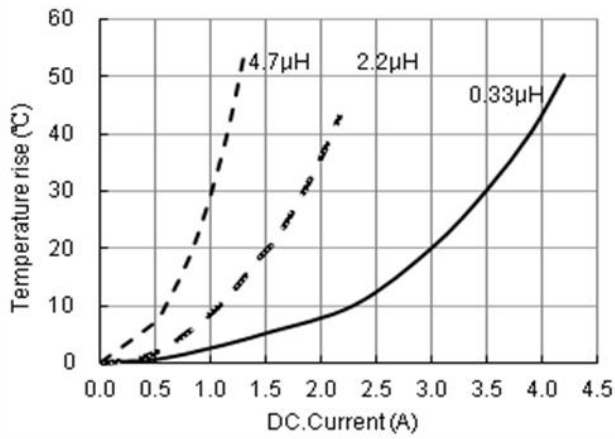
Inductance vs. DC Current Characteristics



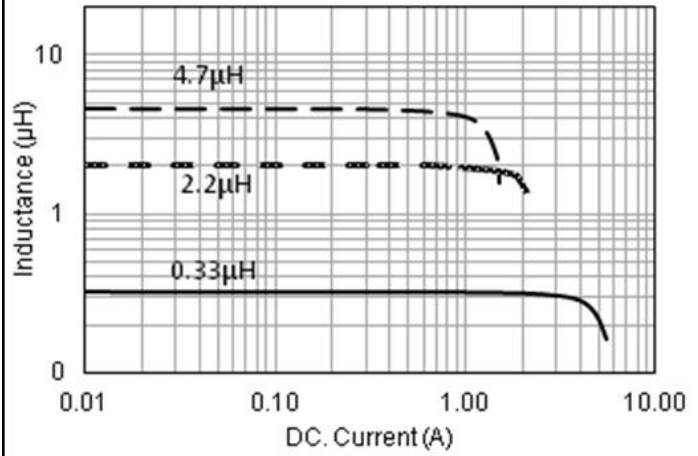
Wire Wound SMD Power Inductor-KNR Series

KNR252012 Series

Temperature vs. DC Current Characteristics

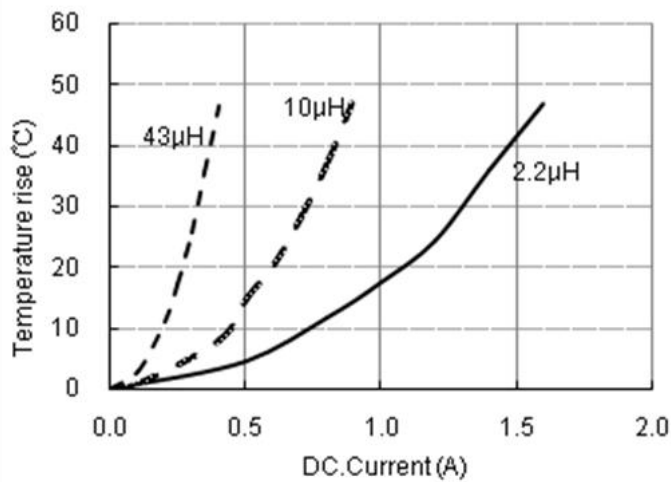


Inductance vs. DC Current Characteristics

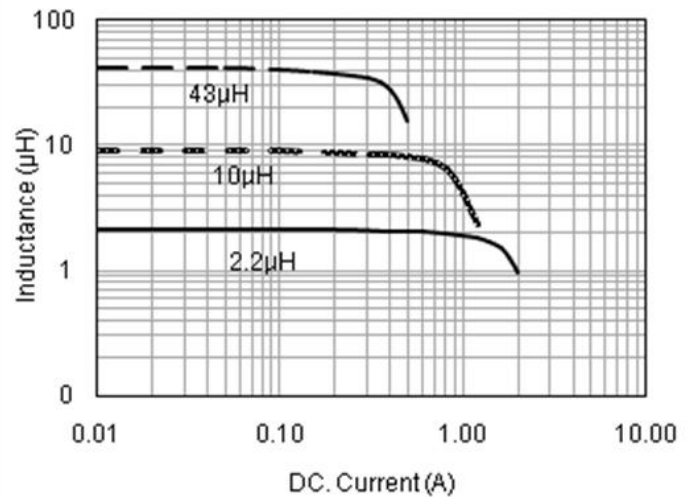


KNR3010 Series

Temperature vs. DC Current Characteristics

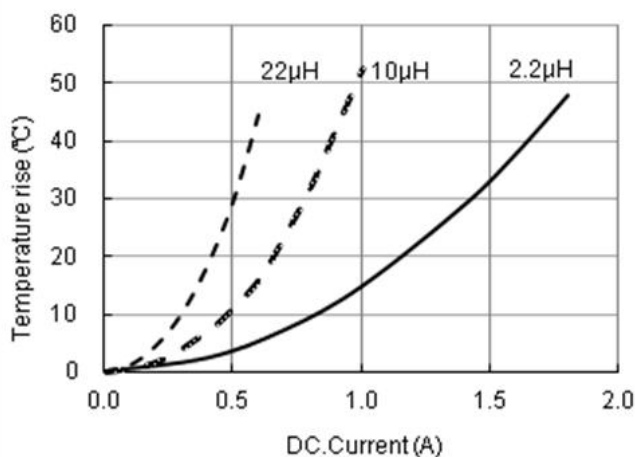


Inductance vs. DC Current Characteristics

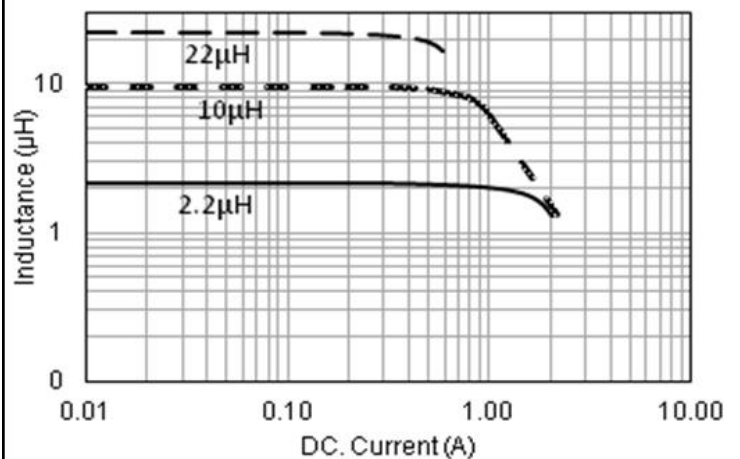


KNR3012 Series

Temperature vs. DC Current Characteristics

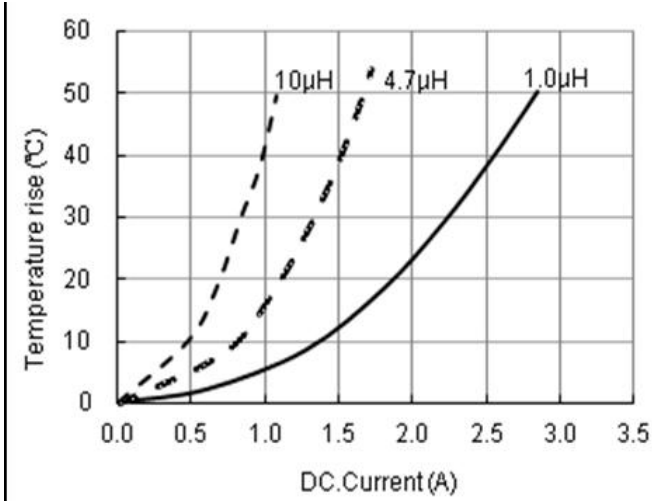


Inductance vs. DC Current Characteristics

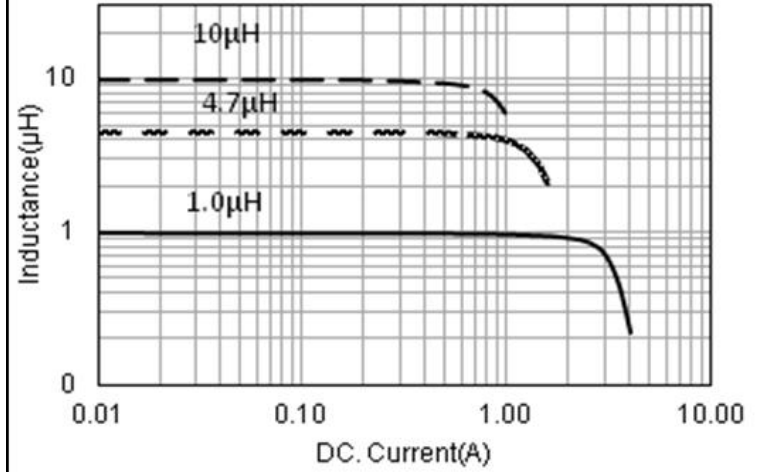


KNR3015 Series

Temperature vs. DC Current Characteristics

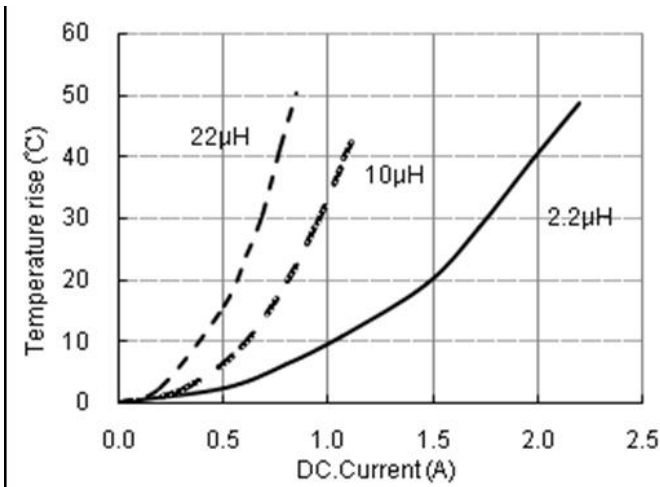


Inductance vs. DC Current Characteristics

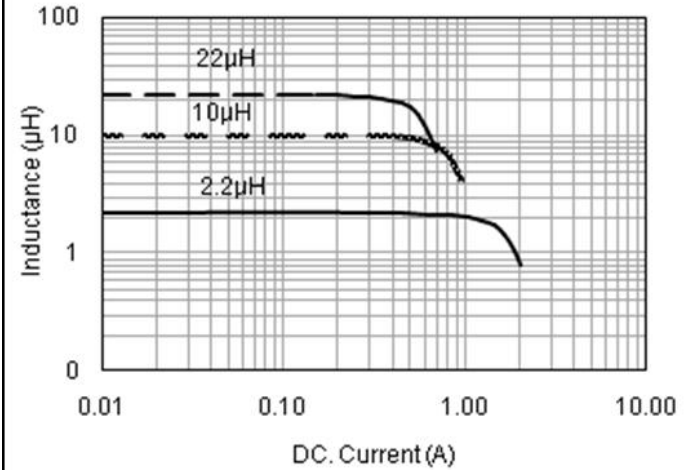


KNR4010 Series

Temperature vs. DC Current Characteristics

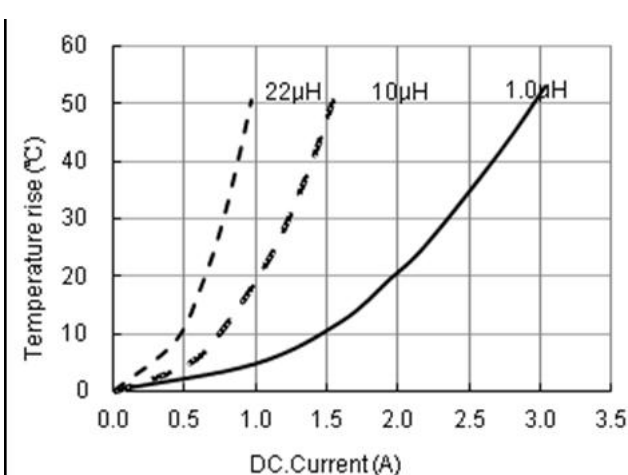


Inductance vs. DC Current Characteristics

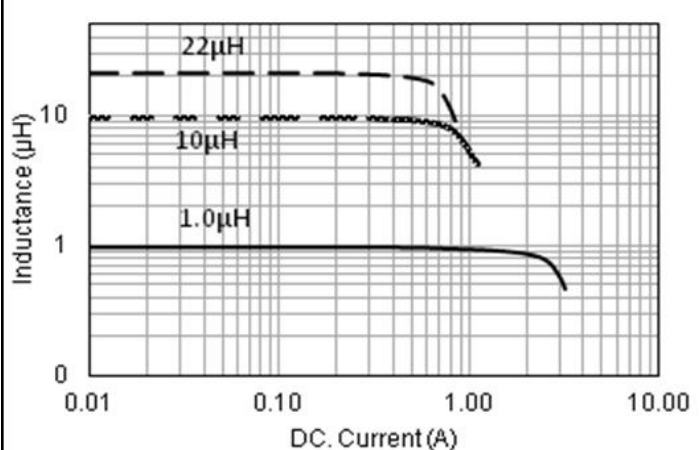


KNR4012- Series

Temperature vs. DC Current Characteristics



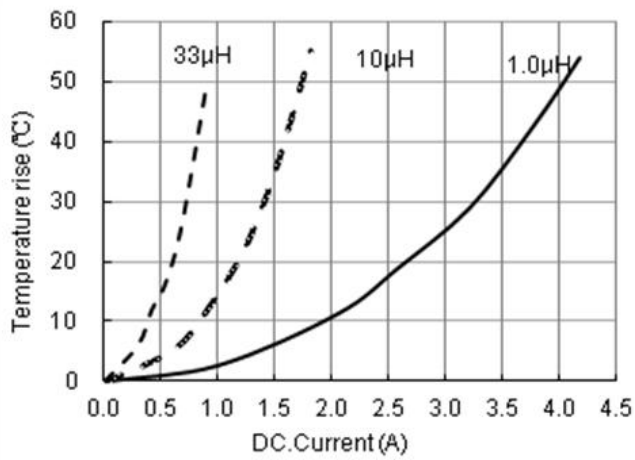
Inductance vs. DC Current Characteristics



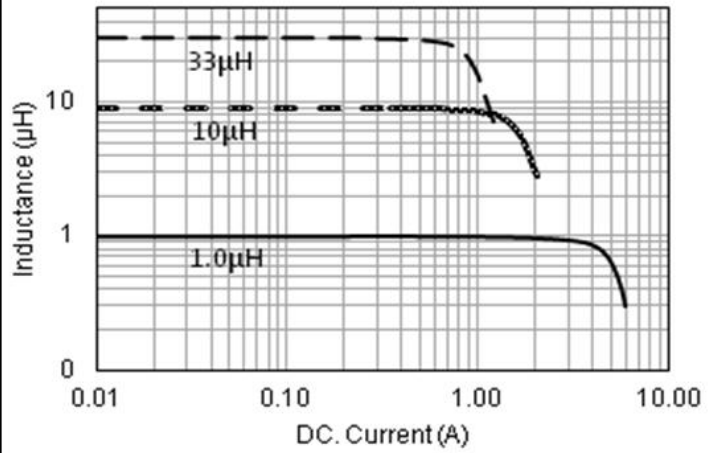
Wire Wound SMD Power Inductor-KNR Series

KNR4018 Series

Temperature vs. DC Current Characteristics

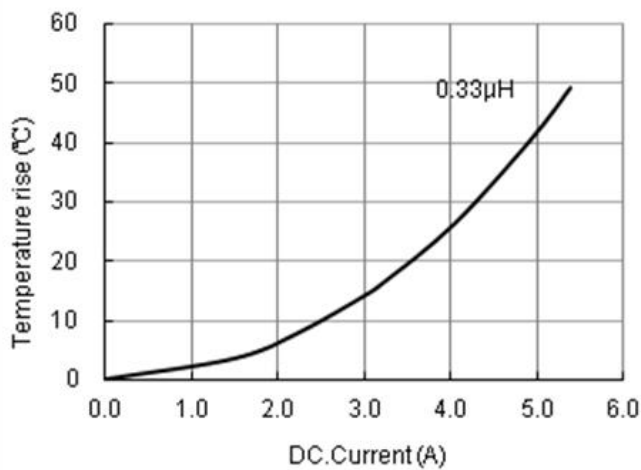


Inductance vs. DC Current Characteristics

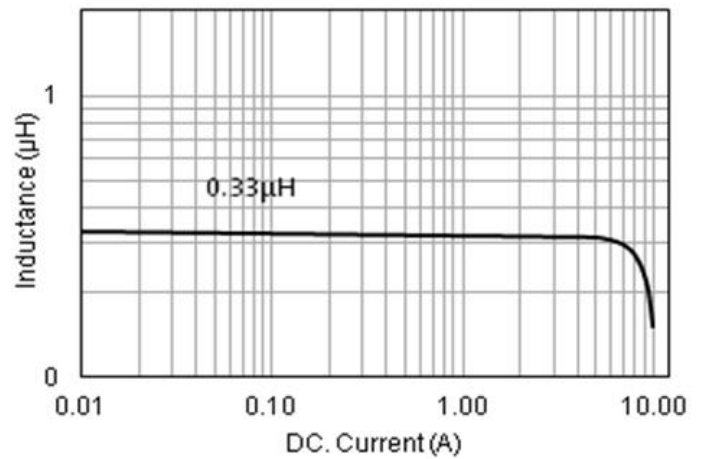


KNR4020 Series

Temperature vs. DC Current Characteristics

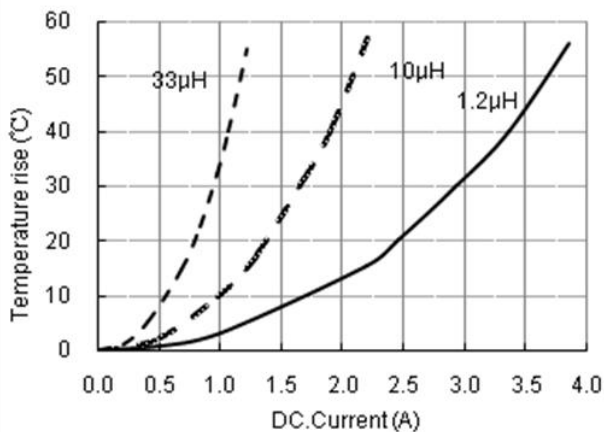


Inductance vs. DC Current Characteristics

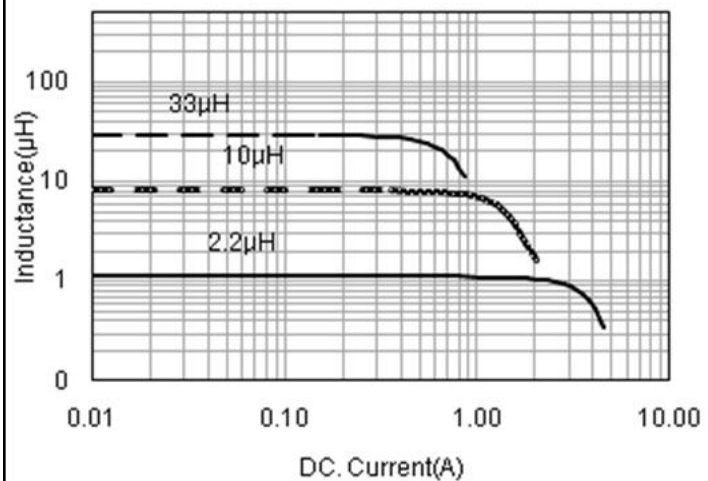


KNR4026 Series

Temperature vs. DC Current Characteristics



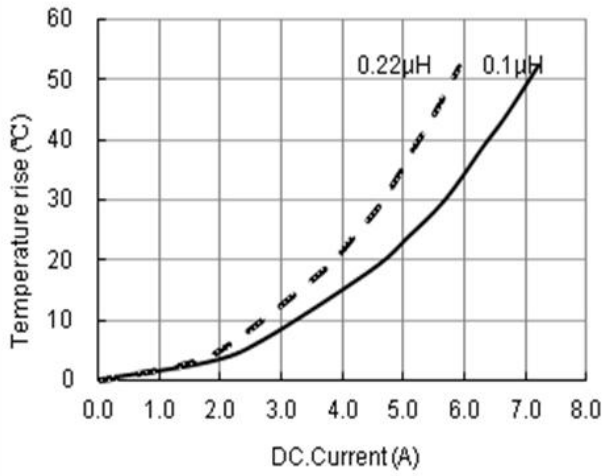
Inductance vs. DC Current Characteristics



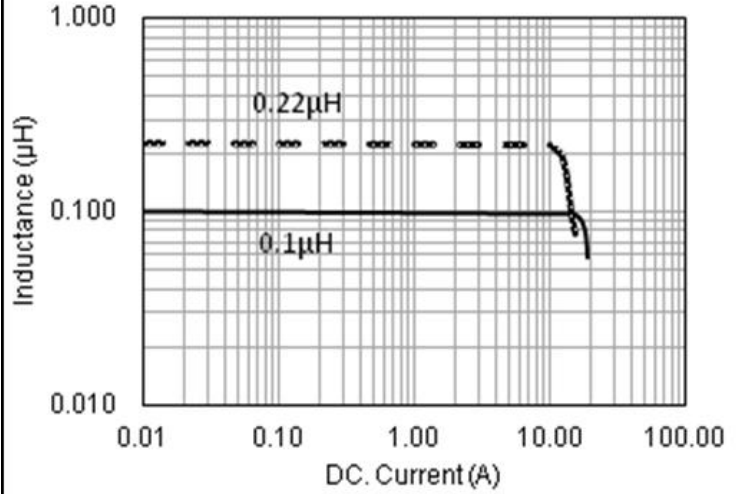
Wire Wound SMD Power Inductor-KNR Series

KNR4030 Series

Temperature vs. DC Current Characteristics

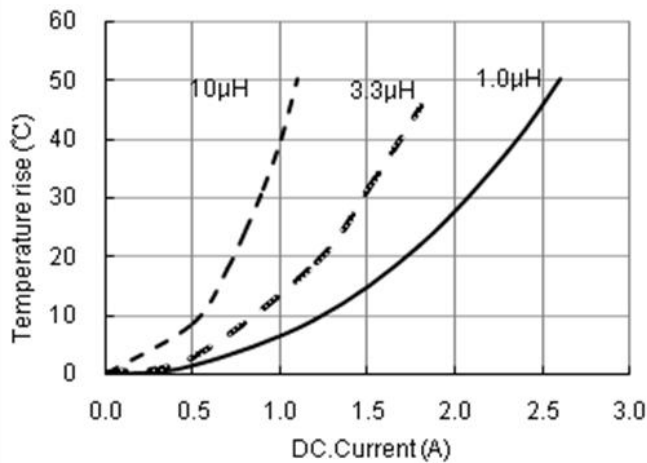


Inductance vs. DC Current Characteristics

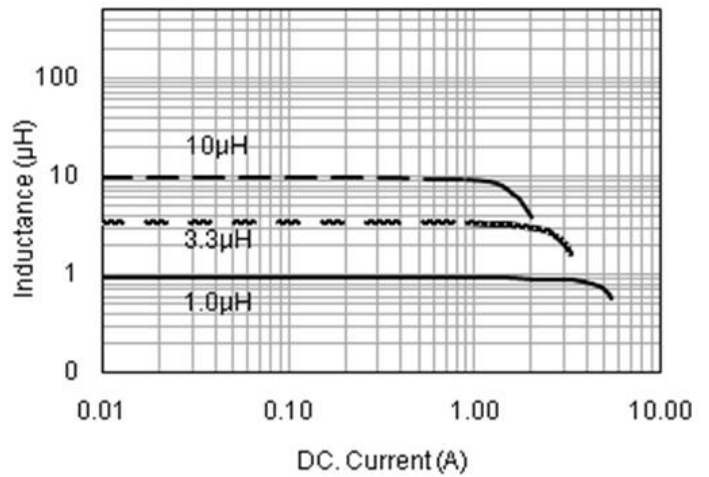


KNR5012 Series

Temperature vs. DC Current Characteristics

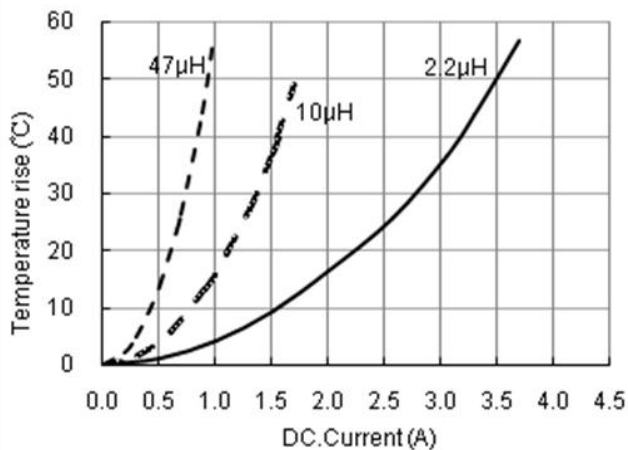


Inductance vs. DC Current Characteristics

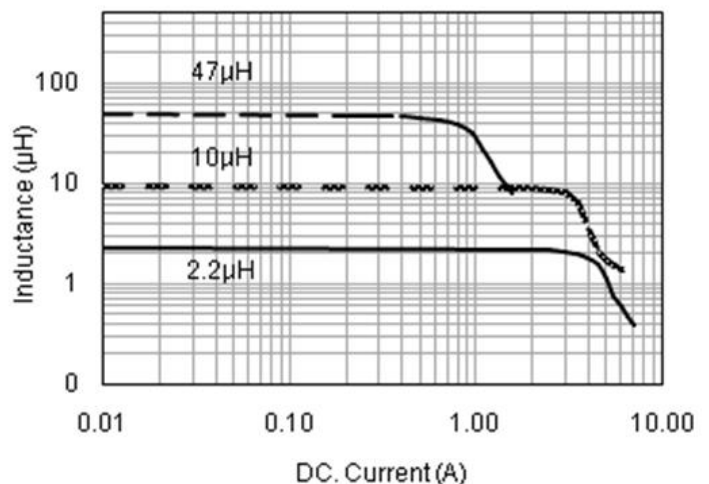


KNR5020 Series

Temperature vs. DC Current Characteristics



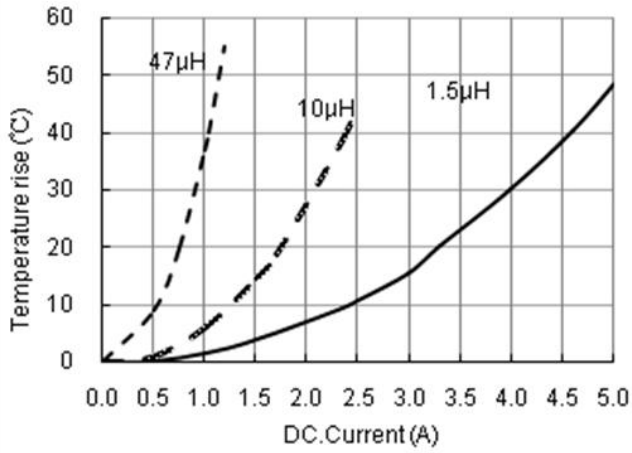
Inductance vs. DC Current Characteristics



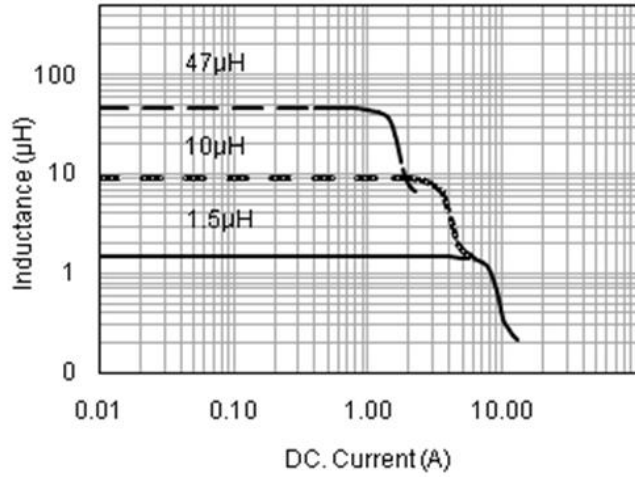
Wire Wound SMD Power Inductor-KNR Series

KNR5040 Series

Temperature vs. DC Current Characteristics

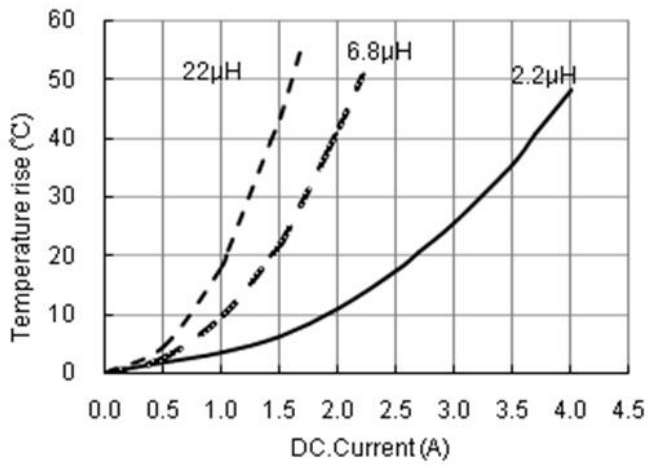


Inductance vs. DC Current Characteristics

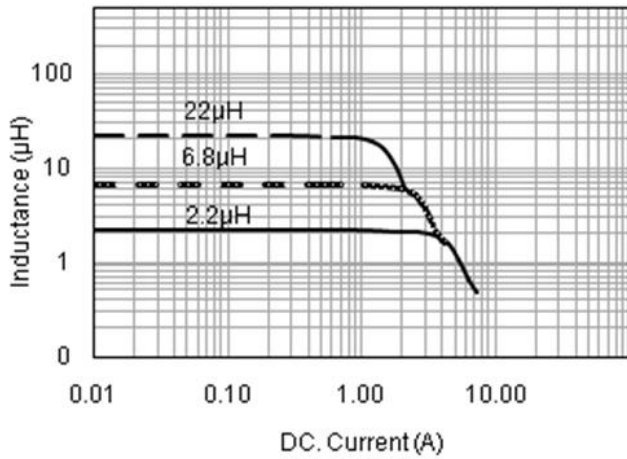


KNR6020 Series

Temperature vs. DC Current Characteristics

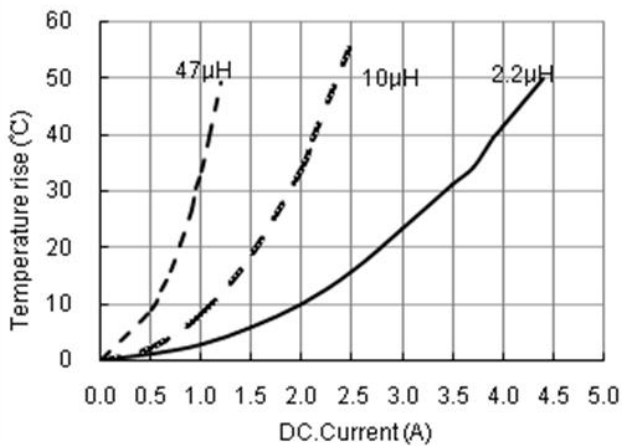


Inductance vs. DC Current Characteristics

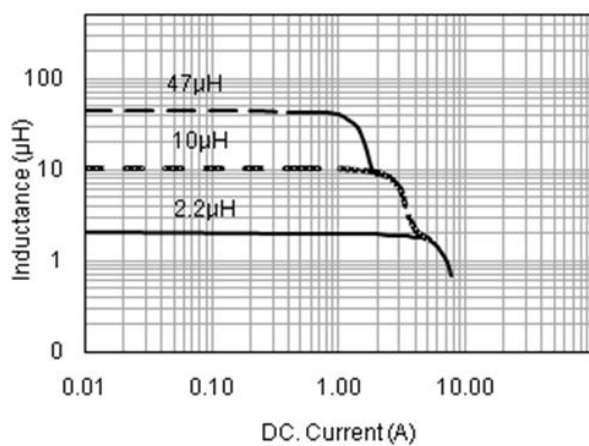


KNR6028 Series

Temperature vs. DC Current Characteristics



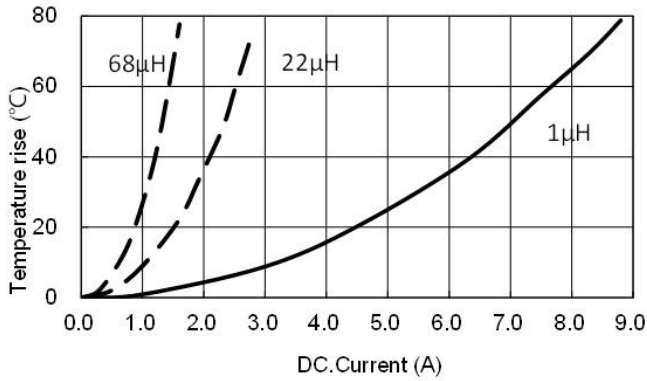
Inductance vs. DC Current Characteristics



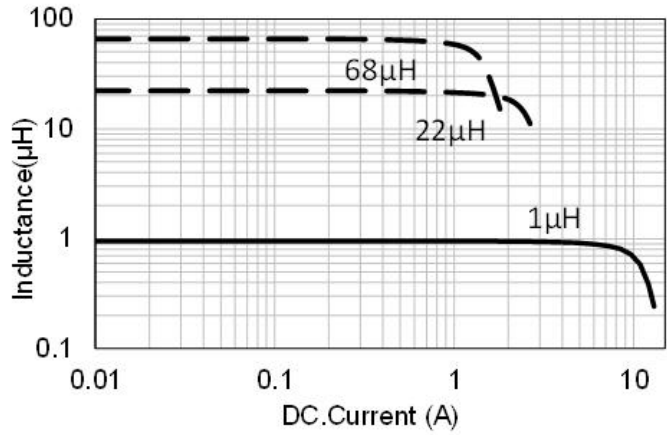
Wire Wound SMD Power Inductor-KNR Series

KNR6040 Series

Temperature vs. DC Current Characteristics

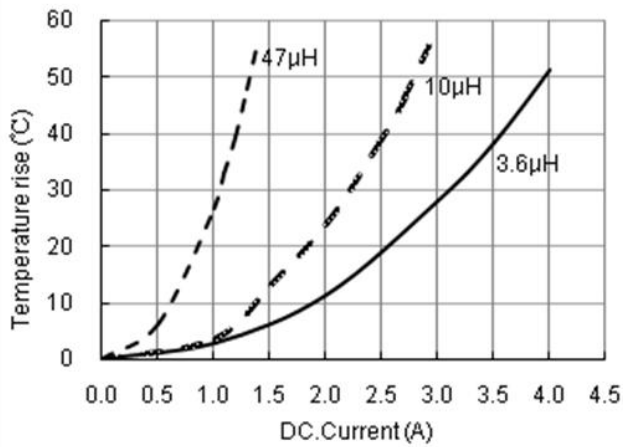


Inductance vs. DC Current Characteristics

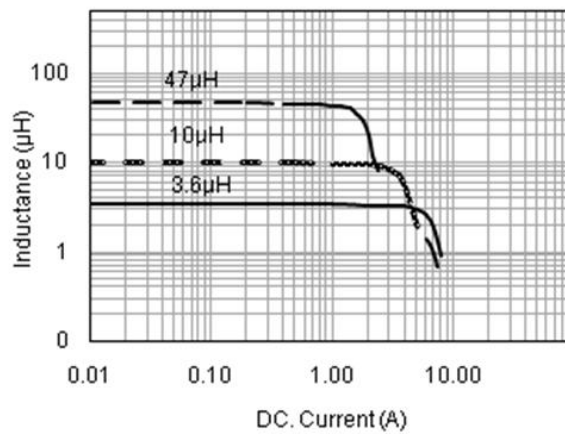


KNR6045 Series

Temperature vs. DC Current Characteristics

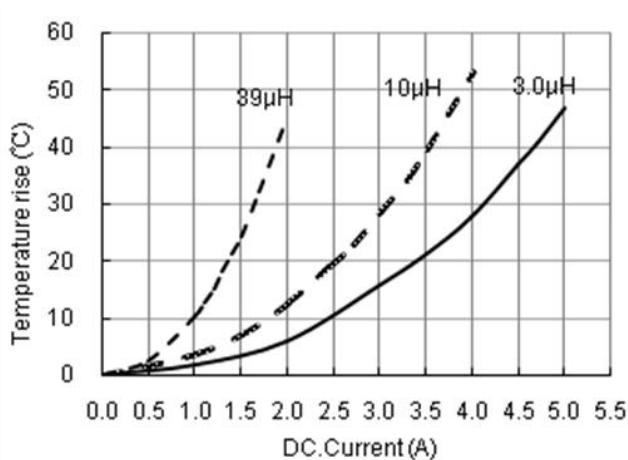


Inductance vs. DC Current Characteristics

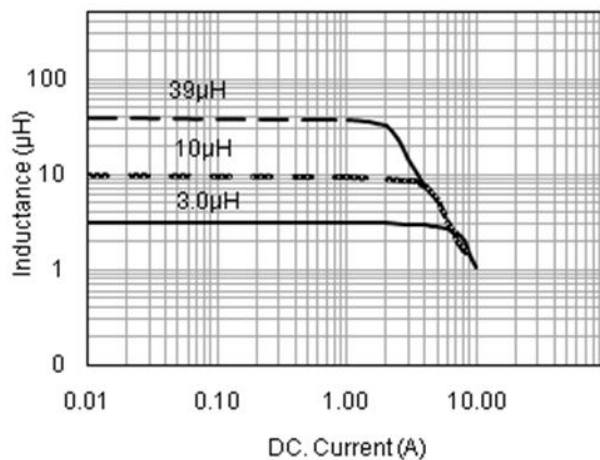


KNR8040 Series

Temperature vs. DC Current Characteristics



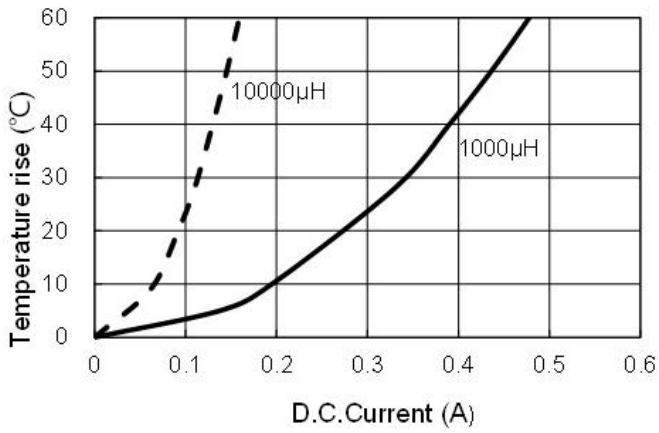
Inductance vs. DC Current Characteristics



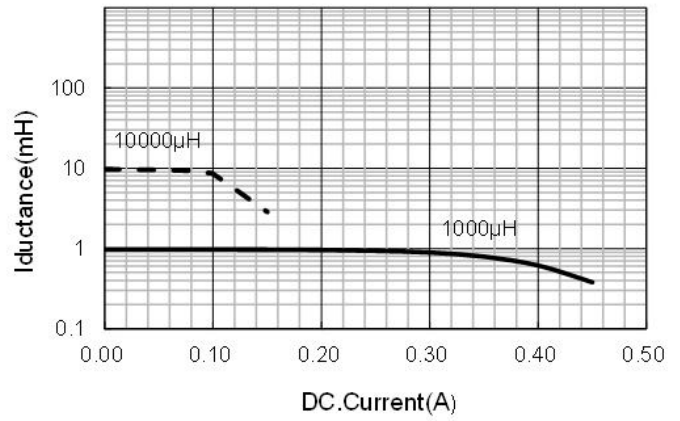
Wire Wound SMD Power Inductor-KNR Series

KNR8050 Series

Temperature vs. DC Current Characteristics

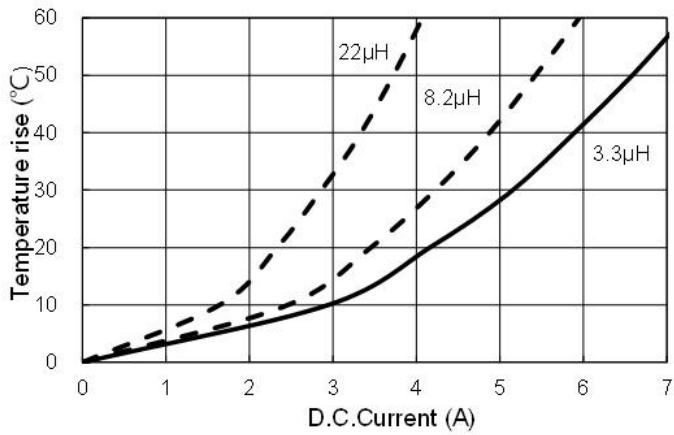


Inductance vs. DC Current Characteristics



KNR8065 Series

Temperature vs. DC Current Characteristics



Inductance vs. DC Current Characteristics

