FEATURES

- Various high power inductors are superior to be high saturation.
- Suitable for surface mounting equipment .
- Takes up less PCB real estate and save more power.
- Operating Temperature: -40℃~+125℃ .
- Magnetic-resin shielded construction reduces buzz noise to ultra-low levels .
- Closed magnetic circuit design reduces leakage flux and Electro Magnetic Interference .
- Packing:Tape Carrier Package.

APPLICATIONS

- Smart phone, smart TV, set top box, notebook.
- Car navigation systems, telecomm basestations.
- RoHS, Halogen Free and REACH Compliance.
- VR, AR.
- LED lighting.

PART NUMBERING

A	NR	252012	T	4R7	M	□□
① Grade	② Series Name	③ Dimensions Code	④ Feature Type	⑤ Nominal inductance	⑥ Inductance tolerance	⑦ Design Code

①Grade	
A	Grade Code

② Series Name	
NR	Wire Wound Power Inductor

③Dimensions Code	
Code	Dimensions (L×W×H)[mm]
252010	2.5×2.0×1.0
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
4010	4.0×4.0×1.0
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
5020	5.0×5.0×2.0
5040	5.0×5.0×4.0
5045	5.0×5.0×4.5
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
8060	8.0×8.0×6.0
8065	8.0×8.0×6.5

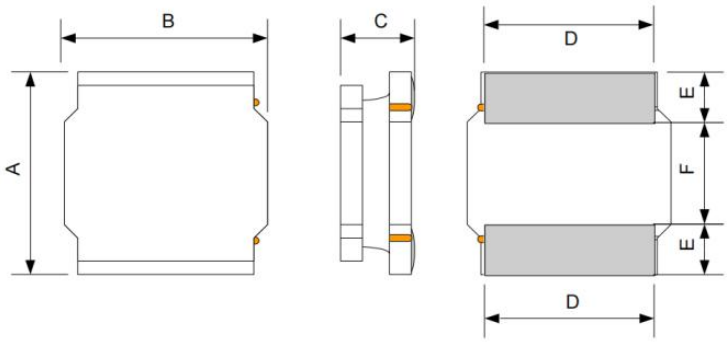
④Feature Type	
T	Standard

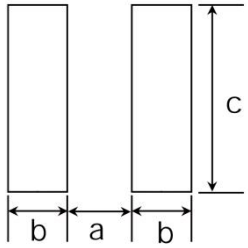
⑤Nominal inductance	
Code (example)	Nominal inductance［μH］
4R7	4.7
100	10
101	100

⑦Design Code	
□□	Standard product is blank

⑥Inductance tolerance	
Code (example)	Inductance tolerance
K	±10%
M	±20%
N	±30%

Dimensions & Recommended Land Pattern





Recommended Land Pattern

Unit: mm

Dimensions							Recommended Land Pattern		
Series	A	B	C	D	E	F	a Typ.	b Typ.	c Typ.
ANR252010	2.5±0.1	2.0±0.1	1.0 Max.	2.0±0.2	0.80±0.2	0.80±0.2	0.8	0.85	2
ANR252012	2.5±0.1	2.0±0.1	1.2 Max.	2.0±0.2	0.80±0.2	0.80±0.2	0.8	0.85	2
ANR3010	3.0±0.2	3.0±0.2	1.0 Max.	2.5±0.2	0.75±0.2	1.5±0.2	1.5	0.8	2.7
ANR3012	3.0±0.2	3.0±0.2	1.2 Max.	2.5±0.2	0.75±0.2	1.5±0.2	1.5	0.8	2.7
ANR3015	3.0±0.2	3.0±0.2	1.5 Max.	2.5±0.2	0.75±0.2	1.5±0.2	1.5	0.8	2.7
ANR4010	4.0±0.2	4.0±0.2	1.0 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
ANR4012	4.0±0.2	4.0±0.2	1.2 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
ANR4018	4.0±0.2	4.0±0.2	1.8 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
ANR4020	4.0±0.2	4.0±0.2	2.0 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
ANR4026	4.0±0.2	4.0±0.2	2.6 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
ANR4030	4.0±0.2	4.0±0.2	3.0 Max.	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7
ANR5012	5.0±0.2	5.0±0.2	1.2 Max.	4.0±0.2	1.25±0.2	2.5±0.2	2.3	1.4	4.2
ANR5020	5.0±0.2	5.0±0.2	2.0 Max.	4.0±0.2	1.25±0.2	2.5±0.2	2.3	1.4	4.2
ANR5040	5.0±0.2	5.0±0.2	4.0 Max.	4.0±0.2	1.25±0.2	2.5±0.2	2.3	1.4	4.2
ANR5045	5.0±0.2	5.0±0.2	4.5 Max.	4.0±0.2	1.30±0.2	2.5±0.2	2.3	1.4	4.2
ANR6020	6.0±0.3	6.0±0.3	2.0 Max.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
ANR6028	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
ANR6040	6.0±0.3	6.0±0.3	4.0 Max.	4.9±0.3	1.55±0.3	2.9±0.3	2.8	1.7	5.7
ANR6045	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
ANR8040	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
ANR8065	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

- All products are printed with Marking except the 252010 & 252012 series.

Electrical Characteristics

ANR252010 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR252010TR47☐	0.47	N / M	0.055	2.39	2.56	2.54	3.35	206
ANR252010TR56☐	0.56	N / M	0.071	2.03	2.18	2.94	3.20	160
ANR252010TR68☐	0.68	N / M	0.073	2.03	2.18	2.23	2.75	129
ANR252010T1R0☐	1	N / M	0.107	1.67	1.80	1.88	2.20	100
ANR252010T1R5☐	1.5	N / M	0.18	1.32	1.42	1.83	2.10	81
ANR252010T2R2☐	2.2	N / M	0.207	1.22	1.31	1.22	1.60	61
ANR252010T3R3M	3.3	M	0.325	0.91	0.98	1.07	1.30	47
ANR252010T4R7M	4.7	M	0.557	0.71	0.76	0.96	1.15	42
ANR252010T5R6M	5.6	M	0.557	0.74	0.80	0.81	0.95	35
ANR252010T6R8M	6.8	M	0.887	0.60	0.64	0.79	0.92	31
ANR252010T100M	10	M	1.081	0.51	0.55	0.66	0.78	27
ANR252010T220M	22	M	1.625	0.45	0.50	0.40	0.48	25

ANR252012 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR252012TR47☐	0.47	N / M	0.06	2.18	2.34	3.88	4.27	160
ANR252012TR68☐	0.68	N / M	0.073	1.98	2.13	3.33	3.68	140
ANR252012T1R0☐	1	N / M	0.089	1.96	2.10	2.63	2.90	110
ANR252012T1R2☐	1.2	N / M	0.128	1.48	1.59	2.42	2.67	100
ANR252012T1R5☐	1.5	N / M	0.146	1.42	1.53	2.27	2.51	97
ANR252012T2R2☐	2.2	N / M	0.214	1.17	1.25	1.88	2.07	69
ANR252012T2R7M	2.7	M	0.237	1.11	1.19	1.75	1.92	63
ANR252012T3R3M	3.3	M	0.261	1.06	1.13	1.63	1.80	62
ANR252012T3R6M	3.6	M	0.345	0.91	0.98	1.48	1.64	53
ANR252012T4R3M	4.3	M	0.373	0.88	0.95	1.39	1.53	51
ANR252012T4R7M	4.7	M	0.373	0.85	0.92	1.14	1.25	47
ANR252012T5R1M	5.1	M	0.495	0.76	0.82	1.25	1.37	44
ANR252012T5R6M	5.6	M	0.533	0.74	0.80	1.13	1.25	38
ANR252012T6R2M	6.2	M	0.537	0.74	0.80	1.05	1.16	38
ANR252012T6R8M	6.8	M	0.575	0.70	0.75	0.99	1.09	38
ANR252012T7R5M	7.5	M	0.605	0.69	0.74	0.98	1.09	35
ANR252012T8R2M	8.2	M	0.651	0.66	0.71	0.99	1.10	36
ANR252012T9R1M	9.1	M	0.683	0.63	0.68	0.92	1.02	34
ANR252012T100M	10	M	0.683	0.63	0.68	0.80	0.88	34

Electrical Characteristics

ANR252012 Series

Part Number	Inductance	Inductance Tolerance	Heat Rating Current		Saturation Current		DC Resistance	Self-resonant Frequency
	@100kHz,1V		Max.	Typ.	Max.	Typ.	Max.	Min.
Units	μH	M=±20% N=±30%	A		A		Ω	MHz
Symbol	L		Irms		Isat		DCR	S.R.F
ANR252012T120M	12	M	1.064	0.52	0.56	0.79	0.88	28
ANR252012T150M	15	M	1.575	0.43	0.46	0.69	0.77	25
ANR252012T220M	22	M	1.956	0.39	0.41	0.54	0.59	20

ANR3010 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR3010T1R0☐	1	N / M	0.084	1.47	1.80	1.42	2.10	180
ANR3010T1R2☐	1.2	N / M	0.084	1.47	1.80	1.27	1.70	137
ANR3010T1R5☐	1.5	N / M	0.103	1.32	1.60	1.29	1.70	120
ANR3010T2R2☐	2.2	N / M	0.142	1.11	1.40	1.17	1.50	100
ANR3010T2R7☐	2.7	N / M	0.167	1.04	1.40	1.02	1.20	90
ANR3010T3R3☐	3.3	N / M	0.187	0.97	1.20	0.98	1.20	74
ANR3010T3R6M	3.6	M	0.213	0.91	1.10	0.96	1.20	67
ANR3010T4R7M	4.7	M	0.29	0.78	1.10	0.76	1.05	59
ANR3010T5R6M	5.6	M	0.319	0.71	1.05	0.59	0.65	40
ANR3010T6R8M	6.8	M	0.393	0.67	0.96	0.56	0.72	42
ANR3010T8R2M	8.2	M	0.515	0.59	0.70	0.56	0.70	23
ANR3010T100M	10	M	0.515	0.59	0.70	0.56	0.75	39
ANR3010T120M	12	M	0.65	0.53	0.67	0.44	0.65	36
ANR3010T150M	15	M	0.785	0.48	0.57	0.43	0.57	30
ANR3010T220M	22	M	1.197	0.39	0.52	0.36	0.48	28
ANR3010T270M	27	M	1.39	0.36	0.50	0.30	0.45	25
ANR3010T330M	33	M	1.995	0.30	0.55	0.29	0.42	18
ANR3010T390M	39	M	2.252	0.28	0.53	0.28	0.38	18
ANR3010T430M	43	M	2.317	0.27	0.52	0.23	0.36	18
ANR3010T470M	47	M	2.51	0.26	0.52	0.22	0.35	18
ANR3010T510M	51	M	2.831	0.25	0.48	0.21	0.33	18
ANR3010T560M	56	M	2.986	0.24	0.35	0.21	0.28	16

Electrical Characteristics

ANR3012 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR3012TR22☐	0.22	N / M	0.022	3.05	3.30	5.38	6.00	321
ANR3012TR82☐	0.82	N / M	0.039	2.51	3.00	2.08	2.80	180
ANR3012T1R0☐	1	N / M	0.052	2.23	2.70	1.90	2.80	120
ANR3012T1R2☐	1.2	N / M	0.058	2.04	2.20	2.25	2.50	120
ANR3012T1R5☐	1.5	N / M	0.078	2.04	2.20	1.64	1.90	110
ANR3012T1R8☐	1.8	N / M	0.081	1.67	1.80	1.32	1.90	90
ANR3012T2R2☐	2.2	N / M	0.098	1.57	1.70	1.22	1.90	84
ANR3012T2R4☐	2.4	N / M	0.087	1.62	1.70	1.17	1.50	100
ANR3012T2R7M	2.7	M	0.109	1.50	1.50	1.16	1.50	65
ANR3012T3R3M	3.3	M	0.13	1.38	1.40	1.07	1.50	64
ANR3012T3R6M	3.6	M	0.129	1.38	1.40	1.07	1.50	36
ANR3012T3R9M	3.9	M	0.187	1.26	1.30	1.02	1.30	61
ANR3012T4R7M	4.7	M	0.156	1.26	1.30	0.91	1.00	61
ANR3012T6R8M	6.8	M	0.247	0.99	1.10	0.76	0.90	61
ANR3012T100M	10	M	0.345	0.84	0.90	0.61	0.88	42
ANR3012T120M	12	M	0.445	0.74	0.84	0.49	0.67	32
ANR3012T150M	15	M	0.468	0.72	0.77	0.46	0.62	27
ANR3012T180M	18	M	0.702	0.59	0.65	0.44	0.59	25
ANR3012T220M	22	M	0.839	0.54	0.59	0.43	0.52	23
ANR3012T270M	27	M	1.12	0.48	0.51	0.36	0.48	21
ANR3012T330M	33	M	1.138	0.47	0.50	0.37	0.46	18
ANR3012T360M	36	M	1.223	0.45	0.48	0.35	0.44	18
ANR3012T390M	39	M	1.712	0.38	0.41	0.30	0.39	18
ANR3012T470M	47	M	1.885	0.36	0.40	0.27	0.35	14
ANR3012T560M	56	M	1.776	0.28	0.40	0.26	0.33	9
ANR3012T680M	68	M	2.149	0.33	0.37	0.24	0.29	7
ANR3012T820M	82	M	3.269	0.27	0.31	0.17	0.27	7
ANR3012T101M	100	M	3.681	0.25	0.29	0.21	0.23	5

ANR3015 Series

Part Number	Inductance	Inductance Tolerance	Heat Rating Current		Saturation Current		DC Resistance	Self-resonant Frequency
	@100kHz,1V		Max.	Typ.	Max.	Typ.	Max.	Min.
Units	μH	M=±20% N=±30%	A		A		Ω	MHz
Symbol	L		Irms		Isat		DCR	S.R.F
ANR3015TR50☐	0.5	N / M	2.64	2.80	3.96	4.20	0.039	162
ANR3015T1R0☐	1	N / M	2.39	2.50	2.35	2.80	0.039	150
ANR3015T1R2☐	1.2	N / M	1.98	2.30	2.24	3.10	0.051	110

Electrical Characteristics

ANR3015 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR3015T1R5☐	1.5	N / M	0.065	1.73	2.20	2.33	2.70	100
ANR3015T1R8☐	1.8	N / M	0.065	1.73	2.20	1.78	2.20	92
ANR3015T2R2☐	2.2	N / M	0.078	1.62	2.00	1.62	2.00	86
ANR3015T2R7☐	2.7	N / M	0.097	1.45	1.90	1.54	1.90	64
ANR3015T3R3M	3.3	M	0.104	1.38	1.60	1.34	1.81	68
ANR3015T3R6M	3.6	M	0.136	1.22	1.50	1.30	1.60	59
ANR3015T3R9M	3.9	M	0.136	1.22	1.50	1.22	1.40	47
ANR3015T4R3M	4.3	M	0.149	1.16	1.30	1.22	1.40	53
ANR3015T4R7M	4.7	M	0.163	1.11	1.30	1.12	1.40	46
ANR3015T5R1M	5.1	M	0.171	1.07	1.20	1.02	1.20	49
ANR3015T5R6M	5.6	M	0.245	0.87	1.05	1.02	1.15	47
ANR3015T6R2M	6.2	M	0.251	0.87	1.00	1.02	1.20	46
ANR3015T6R8M	6.8	M	0.26	0.86	1.10	0.86	1.10	39
ANR3015T100M	10	M	0.325	0.78	0.90	0.73	0.92	41
ANR3015T120M	12	M	0.412	0.69	0.89	0.71	0.90	32
ANR3015T150M	15	M	0.455	0.66	0.72	0.67	0.88	30
ANR3015T180M	18	M	0.553	0.60	0.72	0.57	0.72	23
ANR3015T220M	22	M	0.598	0.58	0.69	0.53	0.68	23
ANR3015T270M	27	M	0.94	0.46	0.56	0.49	0.56	22
ANR3015T330M	33	M	1.066	0.44	0.51	0.45	0.53	20
ANR3015T390M	39	M	1.281	0.40	0.44	0.42	0.55	14
ANR3015T430M	43	M	1.364	0.38	0.48	0.38	0.43	16
ANR3015T470M	47	M	1.625	0.36	0.44	0.36	0.43	14
ANR3015T560M	56	M	1.664	0.35	0.41	0.33	0.42	13
ANR3015T620M	62	M	2.072	0.30	0.41	0.30	0.40	13
ANR3015T680M	68	M	3.475	0.23	0.31	0.28	0.37	11
ANR3015T101M	100	M	4.003	0.21	0.25	0.23	0.25	7.2
ANR3015T151M	150	M	4.891	0.19	0.23	0.18	0.22	4.5
ANR3015T221M	220	M	5.81	0.35	0.40	0.16	0.20	4

ANR4010 Series

Part Number	Inductance	Inductance Tolerance	Heat Rating Current		Saturation Current		DC Resistance	Self-resonant Frequency
	@100kHz,1V		Max.	Typ.	Max.	Typ.	Max.	Min.
Units	μH	M=±20% N=±30%	A		A		Ω	MHz
Symbol	L		Irms		Isat		DCR	S.R.F
ANR4010T1R0☐	1	N / M	1.93	2.40	2.03	2.30	0.066	104
ANR4010T1R5☐	1.5	N / M	1.73	2.00	1.71	2.00	0.083	71

Electrical Characteristics

ANR4010 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR4010T2R2M	2.2	M	0.101	1.52	2.00	1.22	1.50	52
ANR4010T3R3M	3.3	M	0.119	1.42	1.80	1.12	1.40	42
ANR4010T4R7M	4.7	M	0.166	1.22	1.50	0.96	1.10	30
ANR4010T6R8M	6.8	M	0.238	1.02	1.20	0.81	0.95	26
ANR4010T100M	10	M	0.356	0.76	1.00	0.63	0.75	19
ANR4010T150M	15	M	0.511	0.61	0.85	0.55	0.61	17
ANR4010T220M	22	M	0.677	0.51	0.75	0.46	0.52	11

ANR4012 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR4012TR82☐	0.82	N / M	0.064	1.67	2.50	3.07	3.30	150
ANR4012T1R0☐	1	N / M	0.065	1.67	2.50	2.65	3.20	120
ANR4012T1R5☐	1.5	N / M	0.085	1.48	2.20	2.13	2.70	90
ANR4012T1R8☐	1.8	N / M	0.104	1.34	1.90	2.15	2.60	88
ANR4012T2R2☐	2.2	N / M	0.104	1.34	1.90	1.79	2.30	74
ANR4012T2R7☐	2.7	N / M	0.116	1.27	1.70	1.93	2.30	71
ANR4012T3R3☐	3.3	N / M	0.143	1.14	1.60	1.75	2.10	60
ANR4012T3R6☐	3.6	N / M	0.142	1.14	1.60	1.22	1.70	57
ANR4012T4R3☐	4.3	N / M	0.18	1.02	1.50	1.60	1.70	54
ANR4012T4R7☐	4.7	N / M	0.163	1.07	1.50	1.17	1.80	50
ANR4012T5R1☐	5.1	N / M	0.199	0.96	1.50	1.57	1.60	50
ANR4012T5R6☐	5.6	N / M	0.182	1.02	1.20	1.02	1.60	42
ANR4012T6R8M	6.8	M	0.257	0.85	1.20	0.86	1.40	40
ANR4012T100M	10	M	0.345	0.78	1.00	0.81	1.10	33
ANR4012T120M	12	M	0.373	0.71	0.95	0.67	1.00	32
ANR4012T150M	15	M	0.442	0.65	0.85	0.57	0.80	25
ANR4012T180M	18	M	0.605	0.56	0.80	0.56	0.75	23
ANR4012T220M	22	M	0.763	0.50	0.75	0.47	0.70	20
ANR4012T270M	27	M	0.927	0.46	0.60	0.51	0.70	18
ANR4012T330M	33	M	1.053	0.43	0.58	0.43	0.60	17
ANR4012T360M	36	M	1.158	0.41	0.56	0.41	0.50	14
ANR4012T390M	39	M	1.416	0.38	0.50	0.56	0.66	16
ANR4012T470M	47	M	1.43	0.38	0.50	0.36	0.50	12
ANR4012T560M	56	M	1.609	0.33	0.46	0.33	0.45	11

Electrical Characteristics

ANR4012 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR4012T680M	68	M	2.51	0.27	0.45	0.39	0.45	11
ANR4012T820M	82	M	2.754	0.26	0.36	0.28	0.40	11
ANR4012T101M	100	M	2.844	0.25	0.35	0.25	0.30	9.4

ANR4018 Series

Part Number	Inductance	Inductance Tolerance	Heat Rating Current		Saturation Current		DC Resistance	Self-resonant Frequency
	@100kHz,1V		Max.	Typ.	Max.	Typ.	Max.	Min.
Units	μH	M=±20% N=±30%	A		A		Ω	MHz
Symbol	L		Irms		Isat		DCR	S.R.F
ANR4018TR47☐	0.47	N / M	4.06	4.50	4.36	5.20	0.018	155
ANR4018TR68☐	0.68	N / M	3.35	3.80	4.97	5.60	0.026	128
ANR4018T1R0☐	1	N / M	2.03	3.30	4.87	5.20	0.033	80
ANR4018T1R5☐	1.5	N / M	1.83	3.20	3.40	4.00	0.039	65
ANR4018T1R8☐	1.8	N / M	2.03	2.80	3.05	3.40	0.044	54
ANR4018T2R2☐	2.2	N / M	1.67	2.60	2.74	3.20	0.058	52
ANR4018T3R3M	3.3	M	1.25	2.10	2.49	2.90	0.09	44
ANR4018T4R7M	4.7	M	1.22	1.80	1.73	2.20	0.116	34
ANR4018T6R8M	6.8	M	1.08	1.50	1.47	2.00	0.142	29
ANR4018T100M	10	M	0.85	1.20	1.32	1.60	0.232	24
ANR4018T150M	15	M	0.66	1.00	0.95	1.10	0.322	19
ANR4018T220M	22	M	0.60	0.85	0.81	0.88	0.463	16
ANR4018T330M	33	M	0.50	0.72	0.57	0.75	0.682	12
ANR4018T470M	47	M	0.43	0.65	0.58	0.70	0.837	10
ANR4018T680M	68	M	0.32	0.52	0.48	0.51	1.287	8.3
ANR4018T101M	100	M	0.25	0.41	0.41	0.44	2.252	6.5
ANR4018T151M	150	M	0.22	0.36	0.31	0.34	3.218	5.5
ANR4018T221M	220	M	0.17	0.27	0.27	0.30	5.148	4

ANR4020 Series

Part Number	Inductance	Inductance Tolerance	Heat Rating Current		Saturation Current		DC Resistance	Self-resonant Frequency
	@100kHz,1V		Max.	Typ.	Max.	Typ.	Max.	Min.
Units	μH	M=±20% N=±30%	A		A		Ω	MHz
Symbol	L		Irms		Isat		DCR	S.R.F
ANR4020TR24☐	0.24	N / M	4.57	5.20	10.66	12.50	0.014	283
ANR4020TR33☐	0.33	N / M	3.35	4.90	7.61	8.50	0.016	223
ANR4020TR47☐	0.47	N / M	3.35	3.70	7.11	7.50	0.029	160

Electrical Characteristics

ANR4020 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR4020TR68☐	0.68	N / M	0.036	2.84	3.30	6.50	6.60	120
ANR4020T1R0☐	1	N / M	0.038	2.18	3.20	4.85	5.20	75
ANR4020T1R2☐	1.2	N / M	0.038	2.18	3.20	5.18	5.60	72
ANR4020T1R5☐	1.5	N / M	0.046	2.01	3.00	4.52	4.90	71
ANR4020T2R2☐	2.2	N / M	0.051	1.88	2.80	3.45	3.70	49
ANR4020T3R3☐	3.3	N / M	0.09	1.42	2.50	3.25	3.50	44
ANR4020T3R6☐	3.6	N / M	0.071	1.56	2.50	2.84	3.00	49
ANR4020T4R7☐	4.7	N / M	0.097	1.36	2.00	2.39	2.50	42
ANR4020T5R1M	5.1	M	0.11	1.29	1.80	2.33	2.50	42
ANR4020T5R6M	5.6	M	0.116	1.24	1.80	2.23	2.40	30
ANR4020T6R2M	6.2	M	0.149	1.10	1.60	2.18	2.30	36
ANR4020T6R8M	6.8	M	0.161	1.06	1.60	2.23	2.40	33
ANR4020T7R5M	7.5	M	0.149	1.10	1.50	1.88	2.00	30
ANR4020T8R2M	8.2	M	0.161	1.06	1.40	1.78	1.90	27
ANR4020T100M	10	M	0.213	0.91	1.20	1.62	1.70	26
ANR4020T120M	12	M	0.226	0.89	1.20	1.52	1.60	26
ANR4020T150M	15	M	0.296	0.78	1.10	1.37	1.50	24
ANR4020T220M	22	M	0.45	0.63	0.87	1.07	1.10	15
ANR4020T270M	27	M	0.702	0.51	0.70	1.04	1.10	14
ANR4020T330M	33	M	0.708	0.50	0.68	0.86	0.93	11
ANR4020T390M	39	M	0.837	0.47	0.64	0.83	0.90	11
ANR4020T430M	43	M	0.849	0.46	0.63	0.78	0.85	10
ANR4020T470M	47	M	0.914	0.45	0.61	0.75	0.81	10
ANR4020T510M	51	M	0.965	0.43	0.59	0.71	0.77	10
ANR4020T560M	56	M	1.03	0.42	0.57	0.67	0.72	10
ANR4020T620M	62	M	1.158	0.40	0.52	0.66	0.71	9.6
ANR4020T680M	68	M	1.366	0.37	0.50	0.62	0.67	7.7
ANR4020T750M	75	M	1.495	0.36	0.49	0.71	0.77	7.7
ANR4020T820M	82	M	1.505	0.35	0.47	0.51	0.55	7.2
ANR4020T101M	100	M	2	0.31	0.43	0.49	0.53	6.3

ANR4026 Series

Part Number	Inductance	Inductance Tolerance	Heat Rating Current		Saturation Current		DC Resistance	Self-resonant Frequency
	@100kHz,1V		Max.	Typ.	Max.	Typ.	Max.	Min.
Units	μH	M=±20% N=±30%	A		A		Ω	MHz
Symbol	L		Irms		Isat		DCR	S.R.F
ANR4026T1R0☐	1	N / M	3.05	3.66	3.35	3.72	0.031	151
ANR4026T1R2☐	1.2	N / M	2.33	2.80	3.15	3.50	0.039	120

Electrical Characteristics

ANR4026 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR4026T1R5☐	1.5	N / M	0.039	2.33	2.80	2.44	2.71	100
ANR4026T2R2M	2.2	M	0.051	2.03	2.44	2.13	2.36	96
ANR4026T3R3M	3.3	M	0.064	1.73	2.08	1.83	2.03	58
ANR4026T4R7M	4.7	M	0.071	1.62	1.94	1.47	1.63	46
ANR4026T6R8M	6.8	M	0.084	1.52	1.82	1.32	1.47	33
ANR4026T100M	10	M	0.109	1.32	1.58	1.02	1.13	26
ANR4026T150M	15	M	0.142	1.12	1.34	0.91	1.01	19
ANR4026T220M	22	M	0.212	0.91	1.09	0.61	0.68	13
ANR4026T330M	33	M	0.347	0.71	0.85	0.56	0.62	9
ANR4026T470M	47	M	0.386	0.66	0.79	0.41	0.46	6

ANR4030 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR4030TR47☐	0.47	M	0.015	5.20	5.90	7.80	9.80	184
ANR4030TR68☐	0.68	N / M	0.013	4.63	5.10	6.90	8.00	130
ANR4030TR91☐	0.91	N / M	0.017	4.21	4.70	6.34	6.80	100
ANR4030T1R0☐	1	N / M	0.018	4.21	4.70	5.34	5.70	70
ANR4030T1R2☐	1.2	N / M	0.02	3.88	4.20	5.89	6.30	80
ANR4030T1R5☐	1.5	N / M	0.026	3.39	3.60	4.91	5.30	62
ANR4030T1R8☐	1.8	N / M	0.033	3.25	3.30	4.57	5.00	60
ANR4030T2R2☐	2.2	N / M	0.039	2.99	3.20	4.97	5.80	52
ANR4030T3R3M	3.3	M	0.051	2.44	2.60	3.35	3.60	38
ANR4030T3R9M	3.9	M	0.073	2.13	2.30	3.05	3.30	32
ANR4030T4R3M	4.3	M	0.071	2.13	2.30	2.99	3.20	37
ANR4030T4R7M	4.7	M	0.077	2.03	2.30	2.94	3.20	31
ANR4030T5R6M	5.6	M	0.084	1.98	2.10	2.64	2.80	30
ANR4030T6R8M	6.8	M	0.116	1.62	1.70	2.79	3.00	24
ANR4030T7R5M	7.5	M	0.11	1.67	1.80	2.23	2.40	26
ANR4030T8R2M	8.2	M	0.116	1.62	1.70	2.13	2.30	26
ANR4030T100M	10	M	0.129	1.52	1.60	1.98	2.40	21
ANR4030T120M	12	M	0.174	1.32	1.40	1.73	1.80	18
ANR4030T150M	15	M	0.245	1.13	1.20	1.67	1.80	16
ANR4030T180M	18	M	0.257	1.12	1.20	1.42	1.50	10
ANR4030T220M	22	M	0.29	1.02	1.20	1.32	1.40	10

Electrical Characteristics

ANR4030 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR4030T330M	33	M	0.425	0.85	0.92	1.12	1.20	10
ANR4030T360M	36	M	0.432	0.84	0.91	1.07	1.10	9.8
ANR4030T390M	39	M	0.56	0.74	0.80	1.05	1.10	10
ANR4030T470M	47	M	0.573	0.73	0.80	0.96	1.00	8.4
ANR4030T510M	51	M	0.605	0.71	0.80	0.91	1.13	8.4
ANR4030T560M	56	M	0.715	0.66	0.71	0.86	0.94	8.4
ANR4030T620M	62	M	0.752	0.64	0.70	0.81	0.99	7
ANR4030T680M	68	M	1.117	0.53	0.57	0.73	0.80	7
ANR4030T750M	75	M	1.313	0.49	0.53	0.71	0.88	6.3
ANR4030T820M	82	M	1.364	0.48	0.52	0.67	0.72	5.6
ANR4030T910M	91	M	1.416	0.47	0.50	0.66	0.71	5.6
ANR4030T101M	100	M	1.48	0.46	0.49	0.61	0.73	5.6
ANR4030T121M	120	M	1.737	0.43	0.46	0.56	0.60	5.4
ANR4030T151M	150	M	2.317	0.30	0.35	0.51	0.55	4
ANR4030T221M	220	M	3.25	0.35	0.40	0.40	0.50	4.2
ANR4030T331M	330	M	5.2	0.25	0.26	0.30	0.40	2.7
ANR4030T471☐	470	K/M	9.36	0.20	0.23	0.30	0.35	2
ANR4030T501M	500	M	8.937	0.15	0.20	0.28	0.30	2
ANR4030T681M	680	M	9.755	0.14	0.18	0.19	0.20	1.2

ANR5012 Series

Part Number	Inductance	Inductance Tolerance	Heat Rating Current		Saturation Current		DC Resistance	Self-resonant Frequency
	@100kHz,1V		Max.	Typ.	Max.	Typ.	Max.	Min.
Units	μH	M=±20% N=±30%	A		A		Ω	MHz
Symbol	L		Irms		Isat		DCR	S.R.F
ANR5012T1R0☐	1	N / M	2.03	2.40	4.47	4.70	0.067	103
ANR5012T1R5☐	1.5	N / M	1.93	2.20	3.76	3.80	0.085	68
ANR5012T2R2☐	2.2	N / M	1.73	2.00	3.15	3.20	0.107	50
ANR5012T3R3☐	3.3	N / M	1.42	1.70	2.44	2.60	0.149	34
ANR5012T4R7☐	4.7	N / M	1.32	1.50	2.23	2.30	0.195	31
ANR5012T6R8M	6.8	M	1.02	1.20	1.73	1.90	0.291	22
ANR5012T100M	10	M	0.86	1.00	1.42	1.50	0.409	17
ANR5012T150M	15	M	0.81	0.92	1.22	1.30	0.518	13
ANR5012T220M	22	M	0.61	0.68	0.89	0.98	0.849	16

Electrical Characteristics

● ANR5020 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR5020TR22☐	0.22	N / M	0.011	5.38	6.00	9.14	12.00	280
ANR5020TR24☐	0.24	N / M	0.011	5.38	6.00	8.12	10.00	248
ANR5020TR47☐	0.47	N / M	0.017	4.67	5.00	6.24	6.70	160
ANR5020TR56☐	0.56	N / M	0.022	3.86	4.20	8.63	9.60	137
ANR5020TR68☐	0.68	N / M	0.022	4.06	4.40	5.58	6.00	120
ANR5020TR75☐	0.75	N / M	0.022	4.06	4.40	5.58	6.00	117
ANR5020T1R0☐	1	N / M	0.026	3.86	4.10	4.16	5.00	114
ANR5020T1R2☐	1.2	N / M	0.029	3.60	3.90	4.57	4.90	83
ANR5020T1R5☐	1.5	N / M	0.034	3.25	3.50	4.16	4.50	68
ANR5020T2R2☐	2.2	N / M	0.042	2.94	3.10	3.25	4.00	57
ANR5020T2R7☐	2.7	N / M	0.049	2.74	2.90	2.94	3.50	52
ANR5020T3R0☐	3	N / M	0.049	2.74	2.90	2.59	2.80	49
ANR5020T3R3☐	3.3	N / M	0.056	2.54	2.70	2.59	3.00	46
ANR5020T3R6☐	3.6	N / M	0.055	2.54	2.70	2.84	3.00	43
ANR5020T3R9☐	3.9	N / M	0.055	2.54	2.70	2.33	2.80	40
ANR5020T4R3M	4.3	M	0.073	2.23	2.40	2.54	3.00	37
ANR5020T4R7M	4.7	M	0.074	2.23	2.40	2.54	2.70	37
ANR5020T5R1M	5.1	M	0.082	2.08	2.20	2.28	2.60	32
ANR5020T5R6M	5.6	M	0.083	2.08	2.20	2.33	2.50	32
ANR5020T6R8M	6.8	M	0.107	1.83	1.90	2.08	2.20	30
ANR5020T7R5M	7.5	M	0.116	1.78	1.90	1.88	2.00	26
ANR5020T8R2M	8.2	M	0.126	1.67	1.80	1.88	2.00	26
ANR5020T9R1M	9.1	M	0.142	1.57	1.70	1.73	1.80	24
ANR5020T100M	10	M	0.142	1.57	1.70	1.73	1.80	24
ANR5020T120M	12	M	0.18	1.42	1.50	1.52	1.60	22
ANR5020T150M	15	M	0.215	1.27	1.30	1.37	1.40	20
ANR5020T180M	18	M	0.257	1.17	1.20	1.27	1.30	16
ANR5020T220M	22	M	0.294	1.12	1.20	1.17	1.20	14
ANR5020T330M	33	M	0.507	0.91	0.99	0.93	1.00	10
ANR5020T470M	47	M	0.68	0.78	0.84	0.78	0.84	7
ANR5020T560M	56	M	0.811	0.71	0.77	0.78	0.84	6
ANR5020T680M	68	M	0.962	0.65	0.70	0.66	0.70	6
ANR5020T820M	82	M	1.146	0.51	0.60	0.66	0.75	6
ANR5020T101M	100	M	1.43	0.54	0.58	0.54	0.58	6
ANR5020T121M	120	M	1.737	0.41	0.50	0.43	0.53	6
ANR5020T201M	200	M	2.574	0.41	0.45	0.30	0.33	4.5
ANR5020T561M	560	M	9.06	0.20	0.30	0.24	0.30	3.2

Electrical Characteristics

● ANR5040 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR5040TR22☐	0.22	N / M	0.008	6.60	7.50	18.27	20.00	289
ANR5040TR24☐	0.24	N / M	0.008	6.50	7.40	15.94	18.00	251
ANR5040TR47☐	0.47	N / M	0.013	6.70	7.60	10.15	11.50	171
ANR5040T1R0☐	1	N / M	0.018	4.97	5.10	7.46	8.20	117
ANR5040T1R2☐	1.2	N / M	0.021	4.21	4.30	6.60	7.10	110
ANR5040T1R5☐	1.5	N / M	0.02	4.36	4.80	6.39	7.30	86
ANR5040T1R8☐	1.8	N / M	0.021	4.21	4.30	5.58	6.40	55
ANR5040T2R2☐	2.2	N / M	0.027	3.86	4.30	4.97	5.60	50
ANR5040T2R7☐	2.7	N / M	0.029	3.65	4.10	4.36	5.10	37
ANR5040T3R0☐	3	N / M	0.029	3.65	4.20	4.21	4.80	37
ANR5040T3R3☐	3.3	N / M	0.031	3.45	3.90	4.01	4.60	32
ANR5040T3R6☐	3.6	N / M	0.031	3.35	3.70	3.86	4.40	30
ANR5040T3R9☐	3.9	N / M	0.035	3.25	3.70	3.60	4.20	29
ANR5040T4R7☐	4.7	N / M	0.041	3.05	3.30	3.55	3.90	28
ANR5040T5R6M	5.6	M	0.046	2.84	3.10	3.05	4.10	27
ANR5040T6R8M	6.8	M	0.056	2.54	2.80	2.94	3.50	21
ANR5040T8R2M	8.2	M	0.062	2.33	2.60	2.74	3.00	20
ANR5040T100M	10	M	0.083	2.13	2.40	2.39	2.90	18
ANR5040T120M	12	M	0.099	2.03	2.10	2.23	2.50	14
ANR5040T150M	15	M	0.112	2.03	2.10	2.03	2.30	13
ANR5040T180M	18	M	0.153	1.47	1.65	1.73	2.00	12
ANR5040T220M	22	M	0.168	1.52	1.60	1.62	1.90	11
ANR5040T270M	27	M	0.242	1.12	1.25	1.54	1.75	9.8
ANR5040T330M	33	M	0.244	1.22	1.40	1.32	1.50	9
ANR5040T470M	47	M	0.354	1.02	1.10	1.12	1.30	7
ANR5040T510M	51	M	0.489	1.02	1.10	1.02	1.20	6
ANR5040T560M	56	M	0.494	0.81	0.90	1.07	1.20	6
ANR5040T680M	68	M	0.52	0.81	0.90	0.91	1.10	6
ANR5040T750M	75	M	0.579	0.73	0.80	0.86	0.95	6
ANR5040T101M	100	M	0.728	0.71	0.80	0.76	0.90	5
ANR5040T151M	150	M	0.975	0.61	0.70	0.66	0.67	3.7
ANR5040T221M	220	M	1.82	0.41	0.50	0.49	0.55	3
ANR5040T301M	300	M	2.574	0.36	0.40	0.51	0.58	2.7
ANR5040T331M	330	M	2.703	0.41	0.50	0.43	0.47	2.7
ANR5040T471M	470	M	3.9	0.36	0.40	0.38	0.43	2.7
ANR5040T561M	560	M	4.914	0.31	0.35	0.31	0.36	1.5
ANR5040T681M	680	M	5.07	0.25	0.30	0.30	0.35	1.6
ANR5040T102M	1000	M	7.8	0.20	0.23	0.21	0.25	1.3
ANR5040T222M	2200	M	14.82	0.11	0.12	0.15	0.18	0.88

Electrical Characteristics

ANR5045 Series

Part Number	Inductance	Inductance Tolerance	Heat Rating Current		Saturation Current		DC Resistance	Self-resonant Frequency
	@100kHz,1V		Max.	Typ.	Max.	Typ.	Max.	Min.
Units	μH	M=±20% N=±30%	A		A		Ω	MHz
Symbol	L		Irms		Isat		DCR	S.R.F
ANR5045T2R2M	2.2	M	4.77	5.40	6.50	7.20	0.029	50
ANR5045T100M	10	M	2.54	2.90	3.25	3.70	0.078	17
ANR5045T220M	22	M	1.57	1.80	2.03	2.35	0.161	10

ANR6020 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR6020TR50☐	0.5	N / M	0.018	4.06	5.00	4.57	6.00	120
ANR6020TR68☐	0.68	N / M	0.022	3.86	4.80	6.65	7.80	115
ANR6020TR82☐	0.82	N / M	0.022	3.86	4.80	5.38	6.30	110
ANR6020T1R0☐	1	N / M	0.026	3.55	4.40	4.21	5.00	100
ANR6020T1R2☐	1.2	N / M	0.029	3.25	4.00	5.99	7.00	88
ANR6020T1R5☐	1.5	N / M	0.029	3.25	4.00	4.31	5.10	79
ANR6020T1R8☐	1.8	N / M	0.036	2.79	3.50	4.92	5.80	68
ANR6020T2R0☐	2	N / M	0.046	2.64	3.30	4.16	4.90	65
ANR6020T2R2☐	2.2	N / M	0.036	2.79	3.50	3.81	4.50	61
ANR6020T2R7☐	2.7	N / M	0.046	2.64	3.30	3.96	4.60	56
ANR6020T3R3☐	3.3	N / M	0.046	2.64	3.30	3.20	3.70	51
ANR6020T3R9☐	3.9	N / M	0.063	2.13	2.60	3.30	3.90	45
ANR6020T4R3☐	4.3	N / M	0.063	2.13	2.60	2.74	3.20	44
ANR6020T4R7☐	4.7	N / M	0.074	2.03	2.50	3.05	3.60	41
ANR6020T5R6☐	5.6	N / M	0.074	1.93	2.40	2.44	2.90	36
ANR6020T6R2☐	6.2	N / M	0.102	1.83	2.30	2.33	2.70	31
ANR6020T6R8☐	6.8	N / M	0.102	1.83	2.30	2.23	2.60	31
ANR6020T8R2☐	8.2	N / M	0.136	1.42	1.80	2.13	2.50	27
ANR6020T100M	10	M	0.136	1.42	1.80	1.78	2.10	27
ANR6020T120M	12	M	0.154	1.32	1.60	1.47	1.70	25
ANR6020T150M	15	M	0.187	1.22	1.50	1.22	1.40	21
ANR6020T180M	18	M	0.232	1.10	1.40	1.22	1.40	18
ANR6020T220M	22	M	0.262	1.02	1.30	1.07	1.20	16
ANR6020T330M	33	M	0.386	0.85	1.05	0.96	1.10	11
ANR6020T470M	47	M	0.553	0.81	0.90	0.71	0.90	10
ANR6020T331M	330	M	3.385	0.33	0.39	0.27	0.33	3
ANR6020T101M	100	M	1.2	0.50	0.58	0.64	0.84	7

Electrical Characteristics

● ANR6028 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR6028TR82☐	0.82	N / M	0.016	5.28	6.00	6.60	9.00	97
ANR6028T1R0☐	1	N / M	0.013	5.28	5.70	5.84	7.00	70
ANR6028T1R2☐	1.2	N / M	0.017	4.65	5.00	6.50	7.50	69
ANR6028T1R5☐	1.5	N / M	0.017	4.65	5.00	6.09	6.60	65
ANR6028T2R2☐	2.2	N / M	0.026	3.81	4.10	5.18	5.60	48
ANR6028T2R7☐	2.7	N / M	0.026	3.81	4.10	3.86	4.10	48
ANR6028T3R3☐	3.3	N / M	0.033	3.53	3.80	4.21	4.50	41
ANR6028T4R7☐	4.7	N / M	0.039	3.13	3.40	3.05	3.30	35
ANR6028T5R1☐	5.1	N / M	0.055	2.64	2.80	3.25	3.50	32
ANR6028T6R2M	6.2	M	0.06	2.44	2.60	3.10	3.30	30
ANR6028T6R8M	6.8	M	0.06	2.44	2.60	2.64	3.00	27
ANR6028T8R2M	8.2	M	0.071	2.28	2.50	2.33	2.50	24
ANR6028T9R1M	9.1	M	0.095	2.18	2.40	2.59	2.80	24
ANR6028T100M	10	M	0.093	1.98	2.40	2.07	2.50	23
ANR6028T120M	12	M	0.103	1.88	2.00	1.83	2.00	18
ANR6028T150M	15	M	0.161	1.47	1.60	1.78	1.90	18
ANR6028T180M	18	M	0.154	1.47	1.60	1.54	1.80	15
ANR6028T220M	22	M	0.18	1.42	1.60	1.47	1.80	14
ANR6028T270M	27	M	0.2	1.34	1.40	1.52	1.60	13
ANR6028T330M	33	M	0.239	1.24	1.30	1.37	1.50	12
ANR6028T360M	36	M	0.277	1.15	1.20	1.27	1.40	11
ANR6028T390M	39	M	0.29	1.12	1.20	1.27	1.40	11
ANR6028T470M	47	M	0.406	1.08	1.10	1.17	1.30	9.5
ANR6028T560M	56	M	0.445	0.90	1.00	1.07	1.20	8.2
ANR6028T680M	68	M	0.463	0.87	0.95	0.81	0.95	7.7
ANR6028T750M	75	M	0.528	0.82	0.90	0.91	0.99	7.7
ANR6028T820M	82	M	0.644	0.71	0.77	0.81	0.88	7.7
ANR6028T101M	100	M	0.644	0.71	0.77	0.66	0.71	7.1
ANR6028T151M	150	M	0.78	0.70	0.80	0.80	0.88	1.8
ANR6028T221M	220	M	1.729	0.50	0.57	0.40	0.50	3.4
ANR6028T401M	400	M	2.78	0.41	0.45	0.30	0.33	2.8
ANR6028T471M	470	M	3.505	0.33	0.37	0.28	0.32	2.4
ANR6028T102M	1000	M	7.54	0.23	0.26	0.18	0.22	1.5

Electrical Characteristics

ANR6040 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR6040T100M	10	M	0.062	2.45	2.80	3.20	3.50	16
ANR6040T150M	15	M	0.088	2.05	2.35	2.50	3.00	13

ANR6045 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR6045TR47☐	0.47	N / M	0.008	6.60	6.60	15.23	16.50	155
ANR6045TR56☐	0.56	N / M	0.008	6.60	6.60	14.21	15.00	142
ANR6045TR68☐	0.68	N / M	0.008	5.79	6.50	11.17	12.00	99
ANR6045TR82☐	0.82	N / M	0.01	5.99	6.50	10.51	11.00	140
ANR6045T1R0☐	1	N / M	0.014	5.22	5.60	10.00	10.00	100
ANR6045T1R2☐	1.2	N / M	0.013	5.48	5.90	8.48	9.10	100
ANR6045T1R3☐	1.3	N / M	0.013	5.48	5.90	8.48	9.10	100
ANR6045T1R5☐	1.5	N / M	0.016	5.02	5.40	8.93	9.70	65
ANR6045T1R8☐	1.8	N / M	0.016	5.02	5.40	7.71	8.40	74
ANR6045T2R2☐	2.2	N / M	0.023	4.67	5.00	6.85	7.40	52
ANR6045T2R3☐	2.3	N / M	0.027	3.55	3.80	6.09	6.60	60
ANR6045T2R7☐	2.7	N / M	0.02	4.36	4.70	5.84	6.30	38
ANR6045T3R0☐	3	N / M	0.026	3.86	4.20	5.68	6.20	35
ANR6045T3R3☐	3.3	N / M	0.027	3.76	4.00	5.99	6.20	32
ANR6045T3R6☐	3.6	N / M	0.027	3.76	4.00	5.33	5.70	28
ANR6045T4R3M	4.3	M	0.03	3.55	3.80	4.52	4.90	23
ANR6045T4R5M	4.5	M	0.034	3.35	3.60	5.04	5.50	24
ANR6045T4R7M	4.7	M	0.034	3.35	3.60	5.04	5.50	24
ANR6045T5R1M	5.1	M	0.034	3.35	3.60	4.47	4.80	23
ANR6045T5R6M	5.6	M	0.038	3.20	3.40	4.21	4.60	23
ANR6045T6R2M	6.2	M	0.04	3.05	3.30	4.50	4.80	26
ANR6045T6R3M	6.3	M	0.04	3.05	3.30	4.50	4.70	26
ANR6045T6R8M	6.8	M	0.04	3.05	3.30	3.96	4.30	20
ANR6045T7R5M	7.5	M	0.044	2.94	3.20	3.55	3.80	18
ANR6045T8R2M	8.2	M	0.06	2.64	2.80	3.96	4.30	21
ANR6045T9R1M	9.1	M	0.055	2.64	2.80	3.40	3.70	17
ANR6045T100M	10	M	0.062	2.49	2.70	3.25	3.50	15
ANR6045T120M	12	M	0.074	2.23	2.40	2.84	3.00	13
ANR6045T150M	15	M	0.088	2.08	2.20	2.54	2.70	12
ANR6045T180M	18	M	0.104	1.88	2.00	2.23	2.40	10

Electrical Characteristics

ANR6045 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR6045T220M	22	M	0.116	1.83	2.00	2.08	2.20	10
ANR6045T270M	27	M	0.132	1.67	1.80	1.93	2.10	9.2
ANR6045T300M	30	M	0.17	1.52	1.60	1.73	1.80	7.8
ANR6045T330M	33	M	0.178	1.47	1.60	1.67	1.80	7.8
ANR6045T360M	36	M	0.223	1.42	1.50	1.64	1.80	7.8
ANR6045T390M	39	M	0.232	1.27	1.40	1.52	1.60	7.8
ANR6045T430M	43	M	0.257	1.22	1.30	1.65	1.80	7.7
ANR6045T470M	47	M	0.26	1.22	1.30	1.42	1.50	6.4
ANR6045T510M	51	M	0.266	1.17	1.20	1.37	1.50	6.4
ANR6045T560M	56	M	0.287	1.12	1.20	1.32	1.40	6.4
ANR6045T620M	62	M	0.303	1.12	1.20	1.27	1.40	6.4
ANR6045T680M	68	M	0.376	1.02	1.10	1.22	1.30	6.4
ANR6045T750M	75	M	0.393	0.96	1.00	1.17	1.20	5
ANR6045T820M	82	M	0.5	0.91	0.99	1.07	1.10	4.9
ANR6045T910M	91	M	0.462	0.86	0.94	1.02	1.10	4.9
ANR6045T101M	100	M	0.563	0.81	0.88	0.96	1.00	4.2
ANR6045T121M	120	M	0.623	0.78	0.85	0.86	0.94	4.2
ANR6045T151M	150	M	0.754	0.71	0.77	0.81	0.88	4.2
ANR6045T221M	220	M	1.084	0.60	0.65	0.71	0.77	3.5
ANR6045T331M	330	M	1.651	0.58	0.63	0.58	0.63	2.8
ANR6045T471M	470	M	2.34	0.43	0.48	0.51	0.56	2
ANR6045T681M	680	M	3.25	0.33	0.38	0.43	0.46	1.7
ANR6045T102M	1000	M	5.85	0.30	0.35	0.30	0.35	1.3
ANR6045T152M	1500	M	8.1	0.21	0.24	0.24	0.29	1.05

ANR8040 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR8040TR82☐	0.82	N / M	0.01	6.39	6.90	14.01	16.00	94
ANR8040T1R0☐	1	N / M	0.01	6.39	6.90	10.00	14.00	89
ANR8040T1R2☐	1.2	N / M	0.013	5.73	6.20	10.15	14.00	59
ANR8040T1R5☐	1.5	N / M	0.013	5.73	6.20	8.27	11.00	67
ANR8040T2R0☐	2	N / M	0.016	5.23	5.60	9.39	10.00	43
ANR8040T2R2☐	2.2	N / M	0.016	5.23	5.60	7.21	8.00	41
ANR8040T3R0☐	3	N / M	0.018	4.77	5.20	6.19	7.00	32
ANR8040T3R3☐	3.3	N / M	0.022	4.47	4.80	6.60	7.00	27

Electrical Characteristics

● ANR8040 Series

Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR8040T3R6☐	3.6	N / M	0.022	4.42	4.80	7.63	8.50	30
ANR8040T3R9☐	3.9	N / M	0.022	4.42	4.80	5.84	6.50	26
ANR8040T4R7☐	4.7	N / M	0.025	4.16	4.50	5.99	6.50	24
ANR8040T5R1☐	5.1	N / M	0.025	4.11	4.40	4.77	5.40	22
ANR8040T5R6☐	5.6	N / M	0.027	3.91	4.20	6.09	6.90	24
ANR8040T6R2☐	6.2	N / M	0.027	3.91	4.20	4.52	5.10	20
ANR8040T6R8M	6.8	M	0.031	3.65	4.00	4.62	5.20	20
ANR8040T8R2M	8.2	M	0.034	3.50	3.80	4.26	4.80	17
ANR8040T100M	10	M	0.038	3.35	3.60	3.65	4.10	15
ANR8040T120M	12	M	0.052	2.84	3.00	3.55	4.00	13
ANR8040T150M	15	M	0.06	2.64	2.80	2.99	3.40	12
ANR8040T180M	18	M	0.068	2.44	2.60	2.74	3.10	11
ANR8040T220M	22	M	0.089	2.13	2.30	2.44	2.70	9.5
ANR8040T270M	27	M	0.1	2.03	2.20	2.18	2.50	9.2
ANR8040T330M	33	M	0.125	1.83	2.00	2.08	2.40	7.8
ANR8040T360M	36	M	0.132	1.78	1.90	2.03	2.30	7.8
ANR8040T390M	39	M	0.138	1.73	1.90	1.98	2.20	7.8
ANR8040T430M	43	M	0.146	1.67	1.80	1.93	2.20	7.8
ANR8040T470M	47	M	0.175	1.57	1.70	1.78	2.00	6.4
ANR8040T510M	51	M	0.183	1.52	1.60	1.73	1.90	6.4
ANR8040T560M	56	M	0.19	1.47	1.60	1.57	1.70	6.4
ANR8040T620M	62	M	0.235	1.32	1.40	1.52	1.60	6.4
ANR8040T680M	68	M	0.252	1.27	1.40	1.47	1.60	4.9
ANR8040T750M	75	M	0.271	1.22	1.30	1.37	1.50	4.9
ANR8040T820M	82	M	0.29	1.17	1.20	1.32	1.40	5.9
ANR8040T910M	91	M	0.35	1.07	1.10	1.22	1.30	4.9
ANR8040T101M	100	M	0.373	1.02	1.10	1.17	1.30	4.2
ANR8040T121M	120	M	0.43	0.96	1.00	1.07	1.10	3.5
ANR8040T151M	150	M	0.528	0.86	0.94	1.12	1.20	3.5
ANR8040T181M	180	M	0.669	0.84	0.92	0.96	1.15	3.5
ANR8040T221M	220	M	0.771	0.81	0.88	0.86	0.94	3.5
ANR8040T331M	330	M	1.144	0.65	0.70	0.69	0.75	2.8
ANR8040T471M	470	M	1.609	0.51	0.60	0.61	0.70	2.1
ANR8040T681M	680	M	0.45	0.50	0.50	0.60	2.652	1.7
ANR8040T102M	1000	M	0.35	0.40	0.40	0.50	3.64	1.4
ANR8040T152M	1500	M	0.26	0.27	0.32	0.38	6.5	1

Electrical Characteristics

● ANR8065 Series

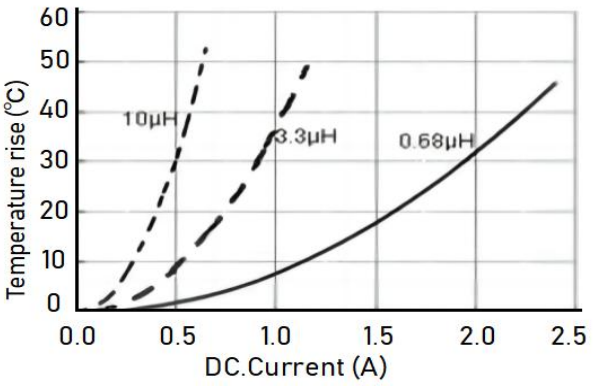
Part Number	Inductance	Inductance Tolerance	DC Resistance	Heat Rating Current *4		Saturation Current*3		Self-resonant Frequency
	@100kHz,1V		Max.	Max.	Typ.	Max.	Typ.	Min.
Units	μH	M=±20% N=±30%	Ω	A		A		MHz
Symbol	L		DCR	Irms		Isat		S.R.F
ANR8065TR68M	0.68	M	0.008	7.61	8.50	24.36	26.00	100
ANR8065T1R0M	1	M	0.011	7.11	8.00	20.30	22.00	96
ANR8065T2R2M	2.2	M	0.016	5.28	4.50	14.01	12.00	45
ANR8065T3R3M	3.3	M	0.018	5.18	5.90	9.64	10.00	27
ANR8065T4R7M	4.7	M	0.022	4.77	5.40	8.63	9.50	18
ANR8065T5R6M	5.6	M	0.026	4.57	5.20	8.12	9.00	17
ANR8065T6R8M	6.8	M	0.026	4.57	5.20	7.61	8.00	16
ANR8065T8R2M	8.2	M	0.031	4.26	4.80	7.11	7.70	15
ANR8065T100M	10	M	0.044	3.25	3.70	8.12	8.90	13
ANR8065T150M	15	M	0.052	3.30	3.75	5.79	6.70	10
ANR8065T220M	22	M	0.071	2.74	3.10	4.36	4.80	8
ANR8065T470M	47	M	0.15	1.88	2.15	3.45	3.70	7
ANR8065T560M	56	M	0.196	1.37	1.55	3.25	3.70	6
ANR8065T680M	68	M	0.216	1.57	1.80	2.74	3.20	5
ANR8065T101M	100	M	0.277	1.37	1.45	2.03	2.40	3.1
ANR8065T151M	150	M	0.436	0.96	1.10	1.62	2.00	2.5
ANR8065T221M	220	M	0.649	0.81	0.90	1.22	1.50	2
ANR8065T331M	330	M	0.832	0.76	0.85	1.02	1.20	1.7
ANR8065T471M	470	M	1.544	0.56	0.65	1.02	1.20	1.4
ANR8065T681M	680	M	1.925	0.53	0.60	0.86	1.00	1
ANR8065T102M	1000	M	2.82	0.40	0.45	0.65	0.73	1.1

△1: All test data is referenced to 20°C ambient;
△2: Rated current: Isat or Irms, whichever is smaller;
△3: Irms: DC current that causes the temperature rise (△T =40°C) from 20°C ambient.

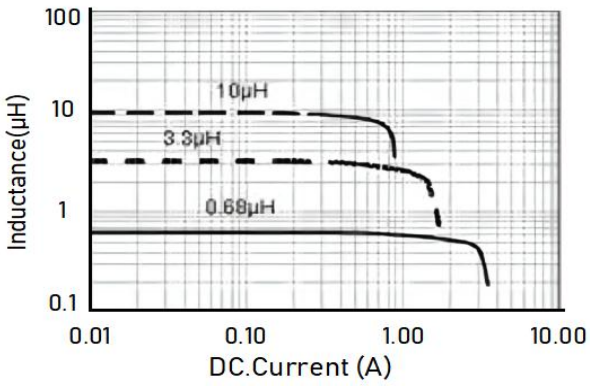
TYPICAL ELECTRICAL CHARACTERISTICS

ANR252010 Series

Temperature vs. DC Current Characteristics



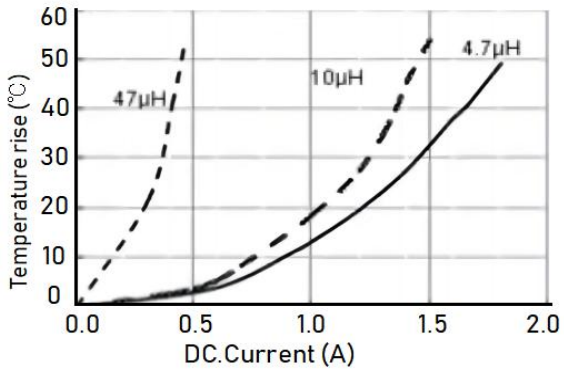
Inductance vs. DC Current Characteristics



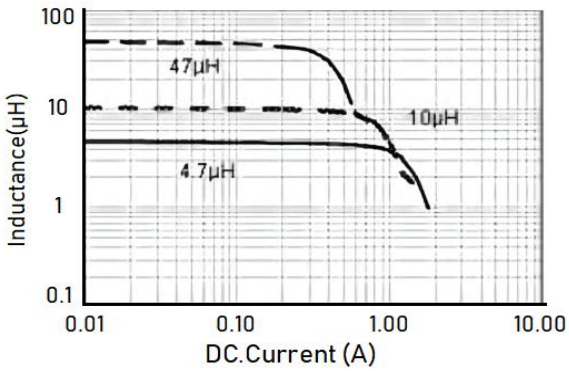
TYPICAL ELECTRICAL CHARACTERISTICS

ANR252012 Series

Temperature vs. DC Current Characteristics

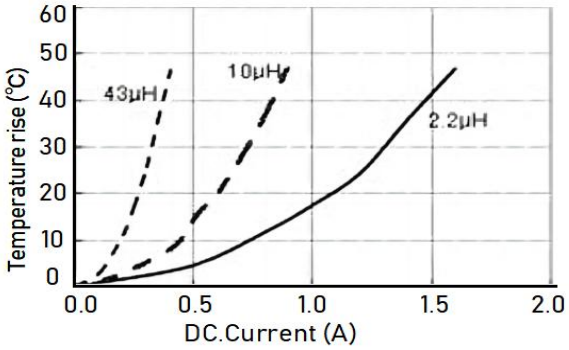


Inductance vs. DC Current Characteristics

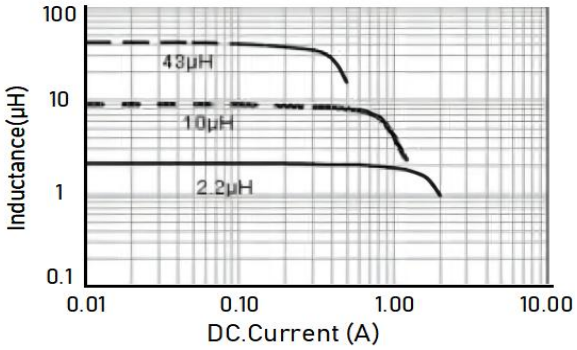


ANR3010 Series

Temperature vs. DC Current Characteristics

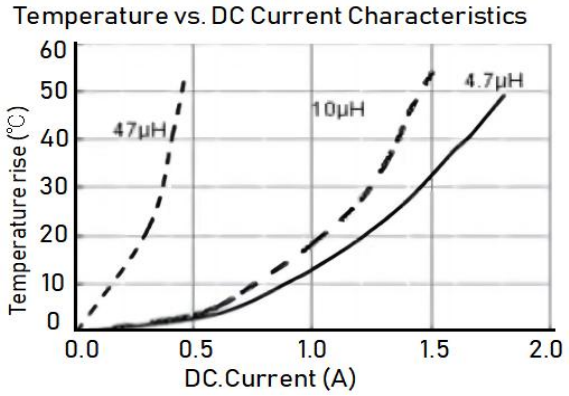


Inductance vs. DC Current Characteristics

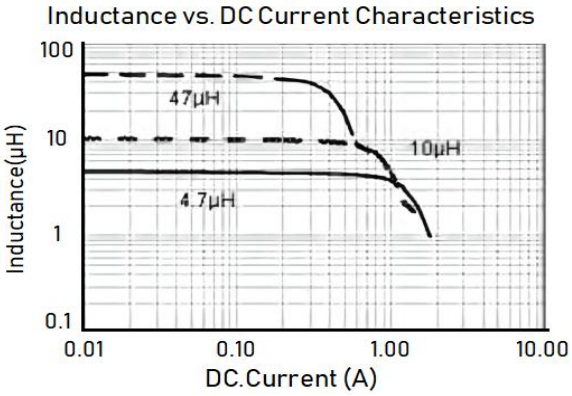


ANR3012 Series

Temperature vs. DC Current Characteristics

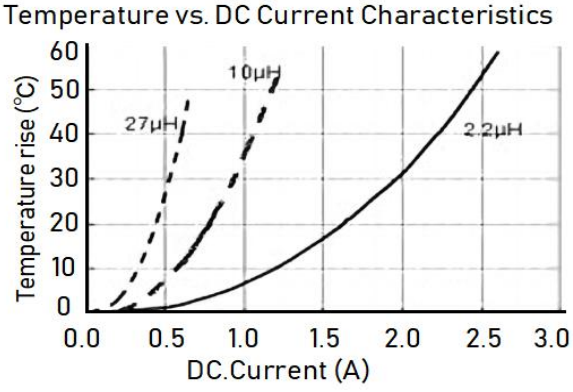


Inductance vs. DC Current Characteristics

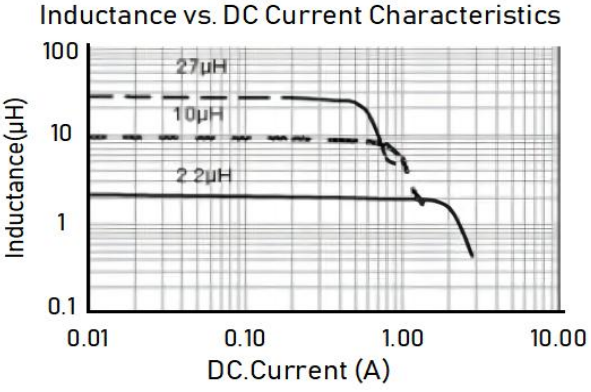


ANR3015 Series

Temperature vs. DC Current Characteristics



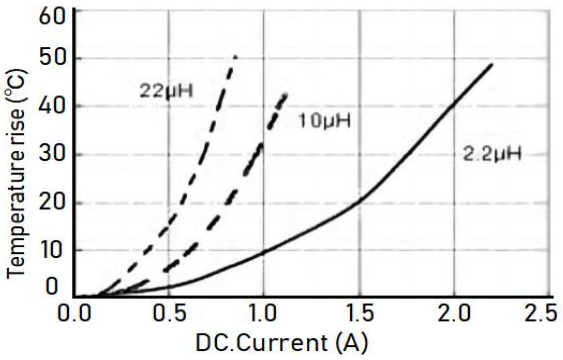
Inductance vs. DC Current Characteristics



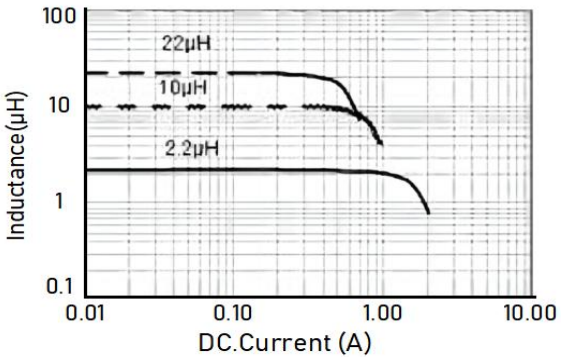
TYPICAL ELECTRICAL CHARACTERISTICS

ANR4010 Series

Temperature vs. DC Current Characteristics

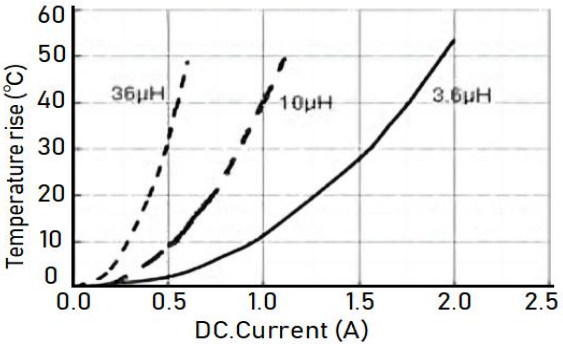


Inductance vs. DC Current Characteristics

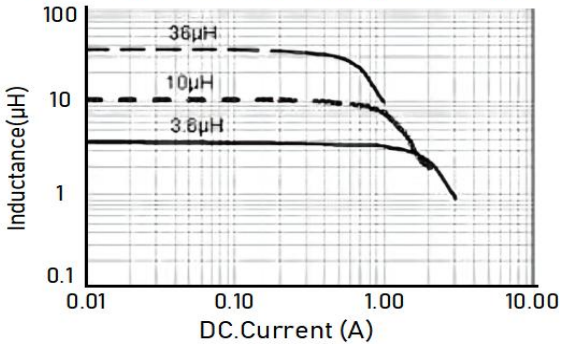


ANR4012 Series

Temperature vs. DC Current Characteristics

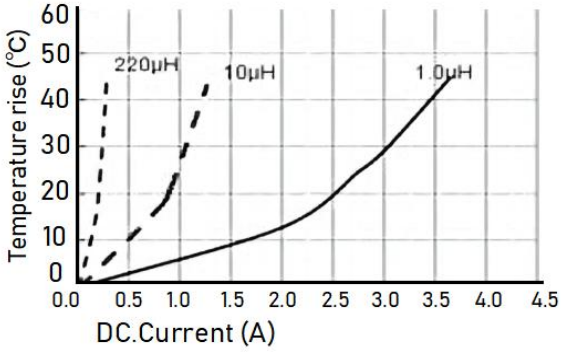


Inductance vs. DC Current Characteristics

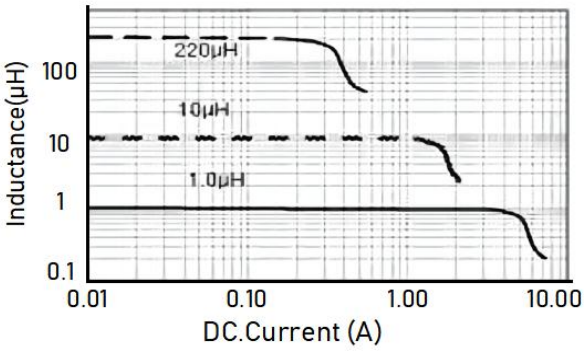


ANR4018 Series

Temperature vs. DC Current Characteristics

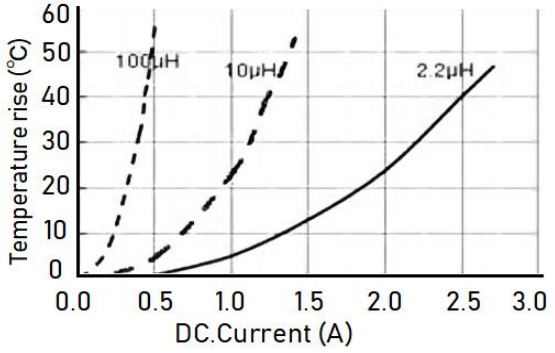


Inductance vs. DC Current Characteristics

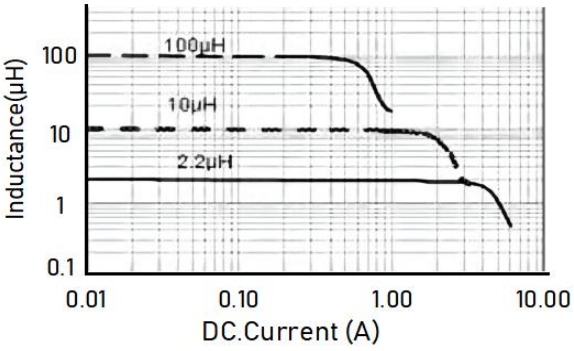


ANR4020 Series

Temperature vs. DC Current Characteristics



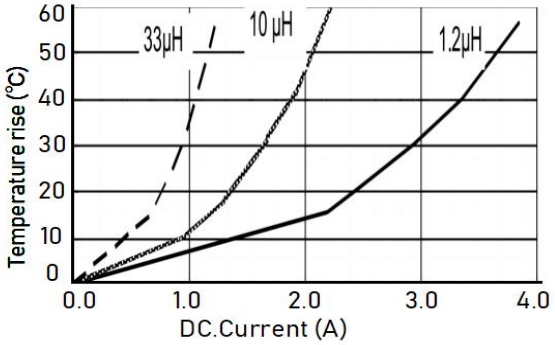
Inductance vs. DC Current Characteristics



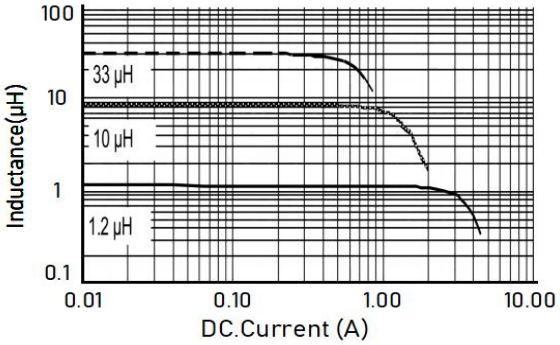
TYPICAL ELECTRICAL CHARACTERISTICS

ANR4026 Series

Temperature vs. DC Current Characteristics

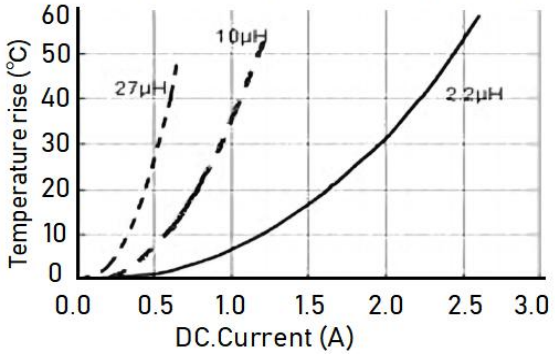


Inductance vs. DC Current Characteristics

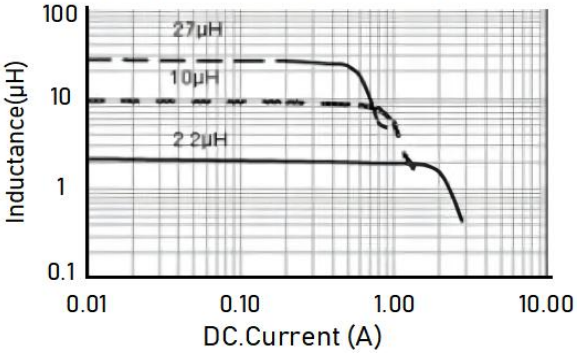


ANR4030 Series

Temperature vs. DC Current Characteristics

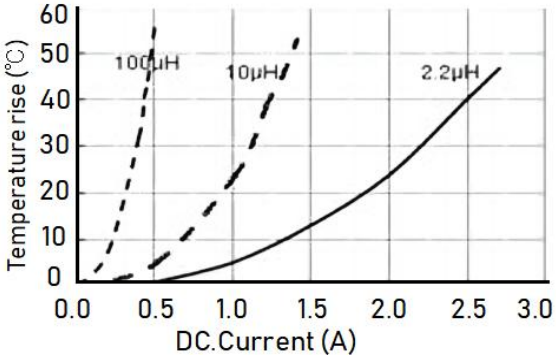


Inductance vs. DC Current Characteristics

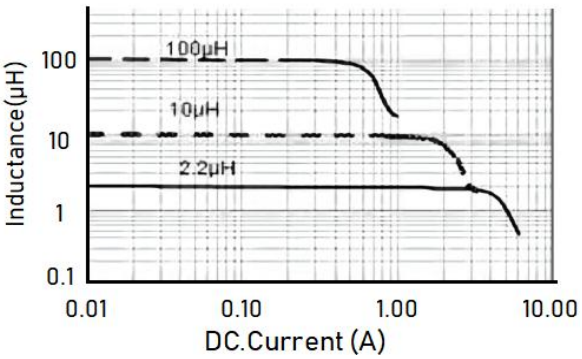


ANR5012 Series

Temperature vs. DC Current Characteristics

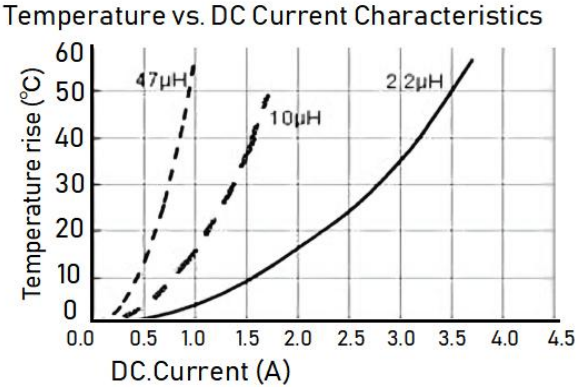


Inductance vs. DC Current Characteristics

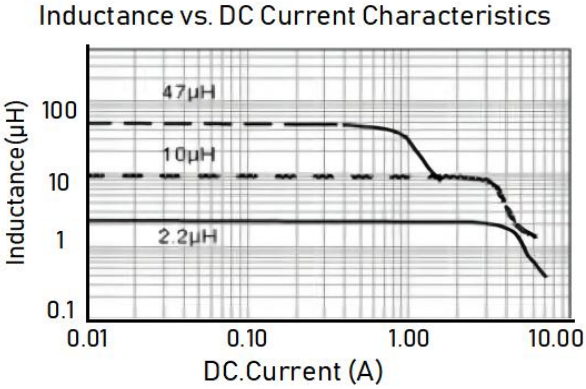


ANR5020 Series

Temperature vs. DC Current Characteristics



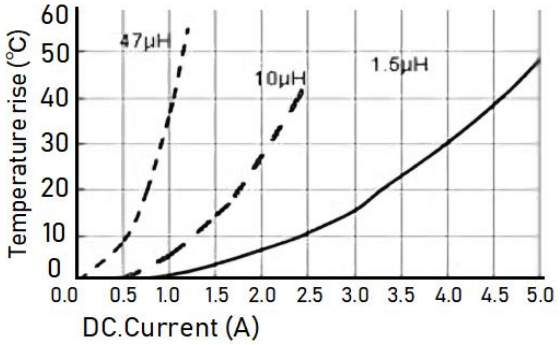
Inductance vs. DC Current Characteristics



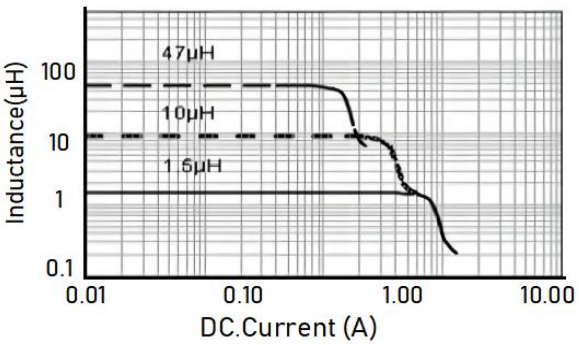
TYPICAL ELECTRICAL CHARACTERISTICS

ANR5040 Series

Temperature vs. DC Current Characteristi

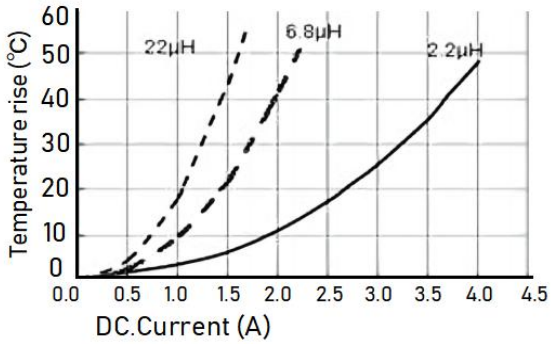


Inductance vs. DC Current Characteristics

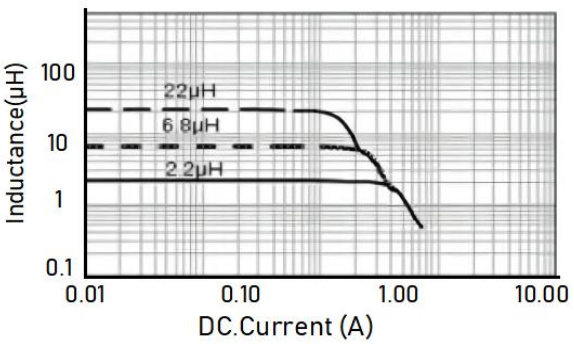


ANR6020 Series

Temperature vs. DC Current Characteristics

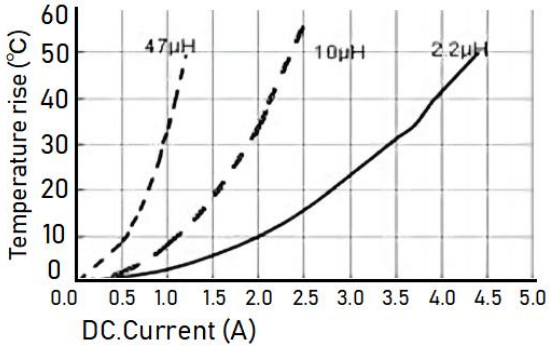


Inductance vs. DC Current Characteristics

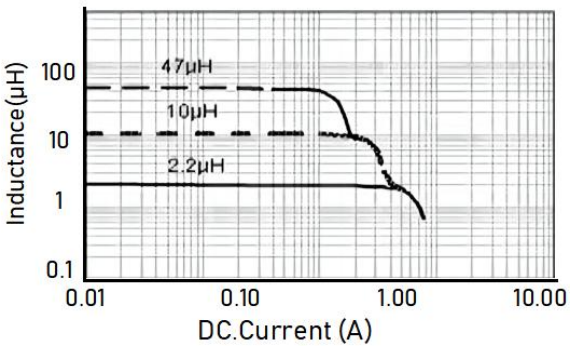


ANR6028 Series

Temperature vs. DC Current Characteristi

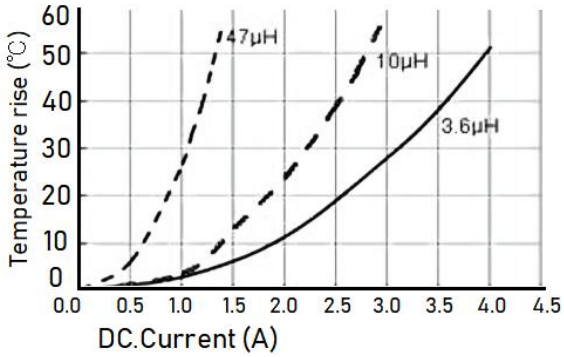


Inductance vs. DC Current Characteristics

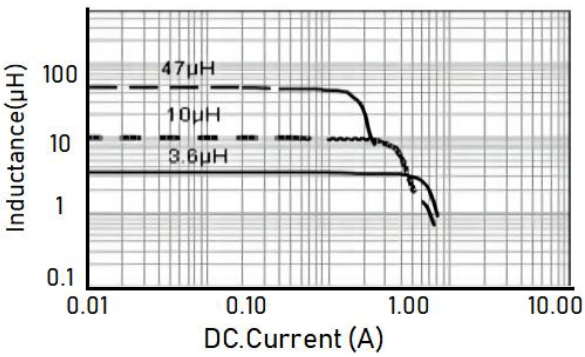


ANR6045 Series

Temperature vs. DC Current Characteristics



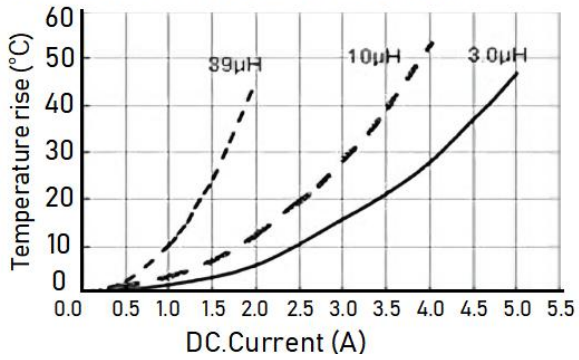
Inductance vs. DC Current Characteristics



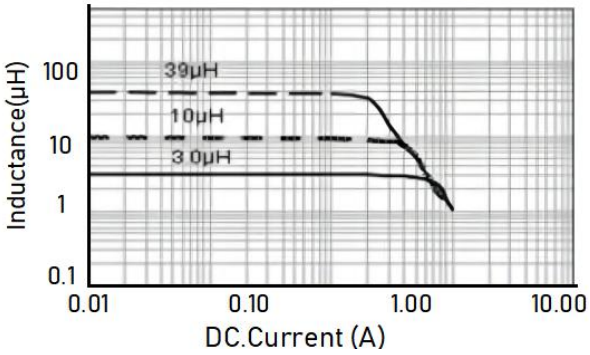
TYPICAL ELECTRICAL CHARACTERISTICS

ANR8040 Series

Temperature vs. DC Current Characteri

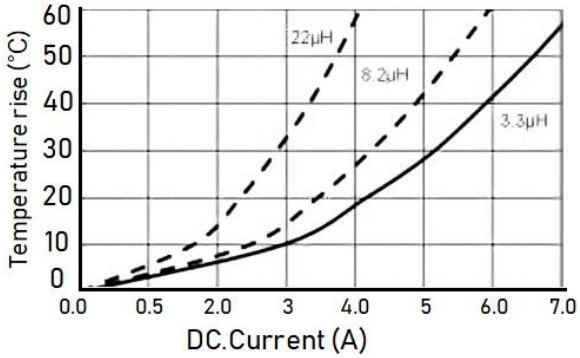


Inductance vs. DC Current Characteristics

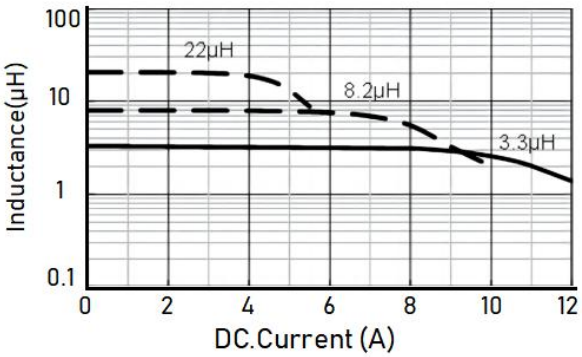


ANR8065 Series

Temperature vs. DC Current Characteristics



Inductance vs. DC Current Characteristics



Note:
This series product is not applies in automotive or related products. Otherwise, we will shall not bear than the resulting all the problems of quality and responsibility.

Please be sure to request approval specifications that provide further details of the products. Kindly not that the content of these specifications are subject to change or may be discontinued without prior notice. This product may not be designed/used in medical or high risk applications without APV approval.