

## Surface Mount Power Inductor

### FEATURES

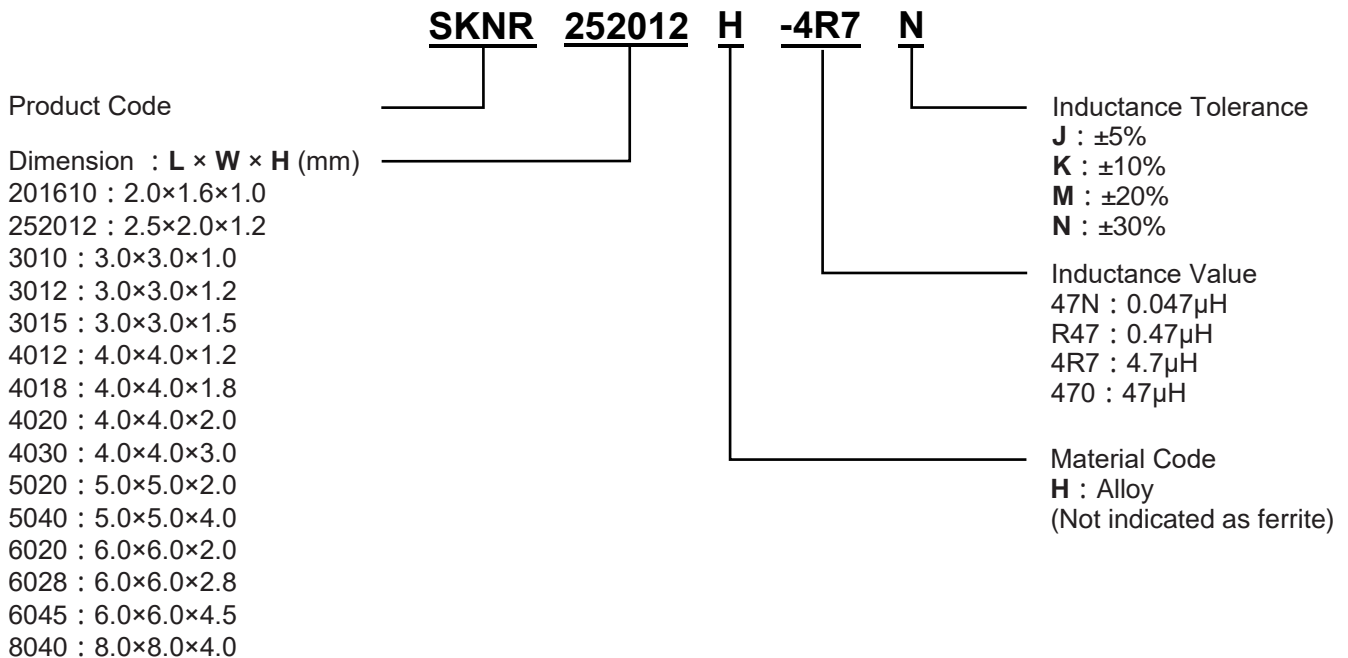
- Magnetic glue encapsulation greatly reduces the beeping sound
- Metallize the electrode directly on the core, strong resistance to drop impact, durable
- Closed magnetic circuit structure design, less magnetic leakage, strong anti-EMI ability
- The same size, the rated current characteristics are more than 30% higher than the traditional inductor
- Save space, more power saving



### APPLICATIONS

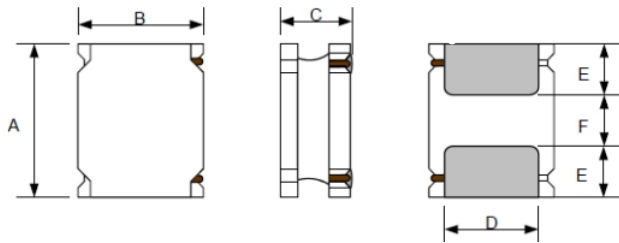
- LED lighting
- Flat screen TV, set-top box, camera, smartphone
- Tablets, laptops, desktops, servers, graphics cards
- Portable game consoles, personal navigation systems, multimedia
- Communication equipment, VR, etc

### PRODUCT IDENTIFICATION



## STANDARD EXTERNAL DIMENSIONS

Fig.1



Recommended Pad Size

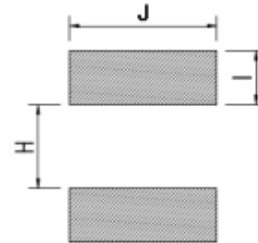
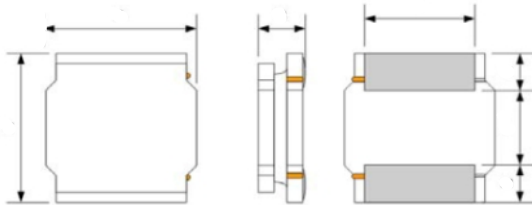


Fig.2



Specification	Dimensions									
	A	B	C	D	E	F	H Typ	I Typ	J Typ	Shape
SKNR201610	2.0±0.2	1.6±0.2	1.0Max	1.6±0.2	0.60±0.2	0.80±0.2	0.80	0.85	1.8	Fig.1
SKNR201610H	2.0±0.2	1.6±0.2	1.0Max	1.6±0.2	0.60±0.2	0.80±0.2	0.80	0.85	1.8	Fig.1
SKNR252012	2.5±0.1	2.0±0.1	1.2Max	2.0±0.2	0.80±0.2	0.80±0.2	0.80	0.85	2.0	Fig.1
SKNR252012H	2.5±0.2	2.0±0.2	1.2Max	2.0±0.2	0.80±0.2	0.80±0.2	0.80	0.85	2.0	Fig.1
SKNR3010	3.0±0.2	3.0±0.2	1.0max	2.5±0.2	0.75±0.2	1.5±0.2	1.5	0.8	2.7	Fig.2
SKNR3012	3.0±0.2	3.0±0.2	1.2max	2.5±0.2	0.75±0.2	1.5±0.2	1.5	0.8	2.7	Fig.2
SKNR3015	3.0±0.2	3.0±0.2	1.5max	2.5±0.2	0.75±0.2	1.5±0.2	1.5	0.8	2.7	Fig.2
SKNR3015H	3.0±0.2	3.0±0.2	1.5max	2.5±0.2	0.75±0.2	1.5±0.2	1.5	0.8	2.7	Fig.2
SKNR4012	4.0±0.2	4.0±0.2	1.2max	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7	Fig.2
SKNR4018	4.0±0.3	4.0±0.3	1.8max	2.6±0.2	1.05±0.2	1.9±0.2	1.9	1.1	2.8	Fig.2
SKNR4020	4.0±0.2	4.0±0.2	2.0max	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7	Fig.2
SKNR4030	4.0±0.2	4.0±0.2	3.0max	3.3±0.2	0.95±0.2	2.1±0.2	1.9	1.1	3.7	Fig.2
SKNR5020	5.0±0.3	5.0±0.3	2.0max	4.0±0.3	1.35±0.2	2.3±0.3	2.3	1.4	4.2	Fig.2
SKNR5040	5.0±0.3	5.0±0.3	4.0max	4.0±0.3	1.50±0.3	2.0±0.3	2.0	1.4	4.2	Fig.2
SKNR6020	6.0±0.2	6.0±0.2	2.0max	4.9±0.2	1.55±0.2	2.9±0.2	2.8	1.7	5.7	Fig.2
SKNR6028	6.0±0.2	6.0±0.2	2.8max	4.9±0.2	1.55±0.2	2.9±0.2	2.8	1.7	5.7	Fig.2
SKNR6045	6.0±0.2	6.0±0.2	4.5max	4.9±0.2	1.55±0.2	2.9±0.2	2.8	1.7	5.7	Fig.2
SKNR8040	8.0±0.2	8.0±0.2	4.2max	6.3±0.2	2.0±0.2	4.0±0.2	3.8	2.2	7.5	Fig.2

**SPECIFICATIONS**

## SKNR201610 TYPE

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR201610-R47	0.47	N	100/1	0.040	2200	2400	2100	2300
SKNR201610-R68	0.68	N	100/1	0.060	1900	2100	1850	2050
SKNR201610-1R0	1.0	N	100/1	0.090	1550	1700	1400	1600
SKNR201610-2R2	2.2	M、N	100/1	0.175	1100	1300	900	1150
SKNR201610-3R3	3.3	M、N	100/1	0.316	800	1000	650	820
SKNR201610-4R7	4.7	M、N	100/1	0.340	600	750	600	700
SKNR201610-6R8	6.8	M、N	100/1	0.550	550	650	550	630

## SKNR201610H TYPE

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	MHz/V	Ω	mA	mA	mA	mA
SKNR201610H-R24	0.24	N	1/1	0.040	4500	5500	3000	3450
SKNR201610H-R33	0.33	N	1/1	0.049	4000	5000	2900	3300
SKNR201610H-R47	0.47	N	1/1	0.049	4000	4700	2700	3100
SKNR201610H-R68	0.68	N	1/1	0.065	3500	4000	2500	2800
SKNR201610H-1R0	1.0	M、N	1/1	0.090	3350	3850	2050	2250
SKNR201610H-1R5	1.5	M、N	1/1	0.130	1950	3050	1700	2550
SKNR201610H-2R2	2.2	M、N	1/1	0.170	1900	2150	1450	1700
SKNR201610H-3R3	3.3	M、N	1/1	0.300	1500	2150	1000	1150
SKNR201610H-4R7	4.7	M、N	1/1	0.425	1200	1500	900	1000

## SKNR252012 TYPE

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR252012-R47	0.47	N	100/1	0.061	3820	4270	2150	2340
SKNR252012-R68	0.68	N	100/1	0.074	3280	3680	1950	2130
SKNR252012-1R0	1.0	N	100/1	0.09	2590	2900	1930	2100

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR252012-R47	0.47	N	100/1	0.061	3820	4270	2150	2340
SKNR252012-R68	0.68	N	100/1	0.074	3280	3680	1950	2130
SKNR252012-1R0	1.0	N	100/1	0.09	2590	2900	1930	2100
SKNR252012-1R2	1.2	M、N	100/1	0.129	2380	2670	1460	1590
SKNR252012-1R5	1.5	M、N	100/1	0.147	2240	2510	1400	1530
SKNR252012-2R2	2.2	M、N	100/1	0.216	1850	2070	1150	1250
SKNR252012-2R7	2.7	M、N	100/1	0.239	1720	1920	1090	1190
SKNR252012-3R3	3.3	M、N	100/1	0.264	1610	1800	1040	1130
SKNR252012-3R6	3.6	M、N	100/1	0.348	1460	1640	900	980
SKNR252012-4R3	4.3	M、N	100/1	0.377	1370	1530	870	950
SKNR252012-4R7	4.7	M、N	100/1	0.377	1120	1250	870	950
SKNR252012-5R1	5.1	M、N	100/1	0.5	1120	1250	750	820
SKNR252012-5R6	5.6	M、N	100/1	0.538	1110	1250	730	800
SKNR252012-6R2	6.2	M、N	100/1	0.542	1030	1160	730	800
SKNR252012-6R8	6.8	M、N	100/1	0.581	980	1100	690	750
SKNR252012-7R5	7.5	M、N	100/1	0.611	980	1100	680	740
SKNR252012-8R2	8.2	M、N	100/1	0.658	980	1100	650	710
SKNR252012-9R1	9.1	M、N	100/1	0.69	910	1020	620	680
SKNR252012-100	10	M、N	100/1	0.69	790	880	620	680
SKNR252012-120	12	M、N	100/1	1.075	780	880	510	560

## SKNR252012H TYPE

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	MHz/V	Ω	mA	mA	mA	mA
SKNR252012H-R24	0.24	N	1/1	0.022	6500	7800	4050	4700
SKNR252012H-R33	0.33	N	1/1	0.029	5300	6200	3700	4300
SKNR252012H-R47	0.47	N	1/1	0.036	4900	5600	3150	3600
SKNR252012H-R68	0.68	M、N	1/1	0.043	3700	4300	2800	3250
SKNR252012H-1R0	1	M、N	1/1	0.054	3600	4200	2550	3000
SKNR252012H-1R2	1.2	M、N	1/1	0.065	3100	3500	2350	2750

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	MHz/V	Ω	mA	mA	mA	mA
SKNR252012H-1R5	1.5	M、N	1/1	0.072	2900	3500	2150	2500
SKNR252012H-2R2	2.2	M、N	1/1	0.104	1800	2100	1800	2050
SKNR252012H-2R2Y01	2.2	M、N	1/1	0.117	2100	2400	1750	1900
SKNR252012H-3R3	3.3	M、N	1/1	0.120	1700	2100	1500	1750
SKNR252012H-4R7	4.7	M、N	1/1	0.175	1700	2100	1250	1500
SKNR252012H-6R8	6.8	M、N	1/1	0.300	1600	1900	950	1100
SKNR252012H-100	10	M、N	1/1	0.435	1150	1350	850	1000
SKNR252012H-150	15	M、N	1/1	0.820	1100	1350	570	650

## SKNR3010 TYPE

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR3010-1R0	1.0	N	100/1	0.085	1400	2100	1450	1800
SKNR3010-1R2	1.2	N	100/1	0.085	1250	1700	1450	1800
SKNR3010-1R5	1.5	N	100/1	0.104	1270	1700	1300	1600
SKNR3010-2R2	2.2	N	100/1	0.143	1150	1500	1090	1400
SKNR3010-2R7	2.7	N	100/1	0.169	1000	1200	1020	1400
SKNR3010-3R3	3.3	N	100/1	0.189	970	1200	960	1200
SKNR3010-3R6	3.6	M、N	100/1	0.215	950	1200	900	1100
SKNR3010-4R7	4.7	M、N	100/1	0.293	750	1050	770	1100
SKNR3010-5R6	5.6	M、N	100/1	0.322	580	750	700	1050
SKNR3010-6R8	6.8	M、N	100/1	0.397	550	750	660	960
SKNR3010-8R2	8.2	M、N	100/1	0.520	550	750	580	700
SKNR3010-100	10	M、N	100/1	0.520	550	750	580	700
SKNR3010-120	12	M、N	100/1	0.657	430	650	520	670
SKNR3010-150	15	M、N	100/1	0.793	420	570	470	570
SKNR3010-220	22	M、N	100/1	1.209	350	480	380	550
SKNR3010-270	27	M、N	100/1	1.404	300	450	350	550

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR3010-330	33	M、N	100/1	2.015	290	420	300	550
SKNR3010-390	39	M、N	100/1	2.275	280	380	280	530
SKNR3010-430	43	M、N	100/1	2.340	230	360	270	520
SKNR3010-470	47	M、N	100/1	2.535	220	350	260	520
SKNR3010-510	51	M、N	100/1	2.860	210	330	250	480
SKNR3010-560	56	M、N	100/1	3.106	210	280	240	350

## SKNR3012 TYPE

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR3012-R22	0.22	N	100/1	0.022	5300	6000	3000	3300
SKNR3012-R82	0.82	N	100/1	0.039	2250	2800	2470	3000
SKNR3012-1R0	1.0	N	100/1	0.052	1870	2800	2200	2700
SKNR3012-1R2	1.2	N	100/1	0.059	1870	2500	2010	2200
SKNR3012-1R5	1.5	N	100/1	0.059	1620	1900	2010	2200
SKNR3012-1R8	1.8	N	100/1	0.082	1300	1900	1650	1800
SKNR3012-2R2	2.2	N	100/1	0.098	1200	1900	1600	1700
SKNR3012-2R4	2.4	N	100/1	0.098	1150	1500	1600	1700
SKNR3012-2R7	2.7	N	100/1	0.110	1140	1500	1480	1500
SKNR3012-3R3	3.3	M、N	100/1	0.130	1050	1500	1360	1400
SKNR3012-3R6	3.6	M、N	100/1	130	1050	1500	1360	1400
SKNR3012-3R9	3.9	M、N	100/1	0.189	1000	1300	1240	1300
SKNR3012-4R7	4.7	M、N	100/1	0.206	900	1100	1240	1300
SKNR3012-5R6	5.6	M、N	100/1	0.226	800	1100	1130	1240
SKNR3012-6R8	6.8	M、N	100/1	0.247	750	900	980	1100
SKNR3012-100	10	M、N	100/1	0.345	600	880	830	900
SKNR3012-120	12	M、N	100/1	0.449	480	670	730	840
SKNR3012-150	15	M、N	100/1	0.468	450	620	710	770

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR3012-180	18	M、N	100/1	0.709	430	590	580	650
SKNR3012-220	22	M、N	100/1	0.839	420	520	530	590
SKNR3012-270	27	M、N	100/1	1.131	360	480	470	510
SKNR3012-330	33	M、N	100/1	1.138	360	460	460	500
SKNR3012-360	36	M、N	100/1	1.235	340	440	440	480
SKNR3012-390	39	M、N	100/1	1.729	300	390	370	410
SKNR3012-470	47	M、N	100/1	1.885	270	350	350	400
SKNR3012-560	56	M、N	100/1	1.894	260	330	340	400
SKNR3012-680	68	M、N	100/1	2.171	240	290	330	370
SKNR3012-820	82	M、N	100/1	3.302	210	270	270	310
SKNR3012-101	100	M、N	100/1	3.718	210	230	250	290

## SKNR3015 TYPE

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR3015-R47	0.47	N	100/1	0.032	3900	4200	2600	2800
SKNR3015-R68	0.68	N	100/1	0.039	3300	3900	2400	2700
SKNR3015-1R0	1	N	100/1	0.039	2320	3100	2350	2500
SKNR3015-1R2	1.2	N	100/1	0.052	2210	3100	1950	2300
SKNR3015-1R5	1.5	N	100/1	0.065	2300	2700	1700	2200
SKNR3015-1R8	1.8	N	100/1	0.065	1750	2200	1700	2200
SKNR3015-2R2	2.2	N	100/1	0.078	1600	2000	1600	2000
SKNR3015-2R7	2.7	N	100/1	0.098	1520	1900	1430	1900
SKNR3015-3R3	3.3	M、N	100/1	0.104	1320	1810	1360	1600
SKNR3015-3R6	3.6	M、N	100/1	0.137	1280	1600	1200	1500
SKNR3015-3R9	3.9	M、N	100/1	0.137	1200	1400	1200	1500
SKNR3015-4R3	4.3	M、N	100/1	0.15	1200	1400	1140	1300
SKNR3015-4R7	4.7	M、N	100/1	0.163	1100	1400	1090	1300
SKNB3015-5R1	5.1	M、N	100/1	0.173	1000	1200	1050	1200

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR3015-6R2	6.2	M、N	100/1	0.254	1000	1200	860	1000
SKNR3015-6R8	6.8	M、N	100/1	0.26	850	1100	850	1100
SKNR3015-100	10	M、N	100/1	0.325	720	920	700	900
SKNR3015-120	12	M、N	100/1	0.416	700	900	680	890
SKNR3015-150	15	M、N	100/1	0.455	660	880	650	720
SKNR3015-180	18	M、N	100/1	0.559	560	720	590	720
SKNR3015-220	22	M、N	100/1	0.598	520	680	570	690
SKNR3015-270	27	M、N	100/1	0.949	480	560	450	560
SKNR3015-330	33	M、N	100/1	1,066	440	530	430	510
SKNR3015-390	39	M、N	100/1	1.294	410	550	390	440
SKNR3015-430	43	M、N	100/1	1.378	370	430	370	480
SKNR3015-470	47	M、N	100/1	1.625	350	430	350	440
SKNR3015-560	56	M、N	100/1	1.664	330	420	340	410

## SKNR3015H TYPE

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	MHz/V	Ω	mA	mA	mA	mA
SKNR3015H-R22	0.22	N	1/1	0.019	8800	11000	5200	6000
SKNR3015H-R33	0.33	N	1/1	0.021	8000	10000	5000	6000
SKNR3015H-R47	0.47	N	1/1	0.026	7600	9500	4600	5200
SKNR3015H-R68	0.68	N	1/1	0.037	7000	8300	4000	4600
SKNR3015H-1R0	1.0	N	1/1	0.048	5800	7000	3500	4000
SKNR3015H-2R2	2.2	N	1/1	0.095	3700	4600	2200	2700
SKNR3015H-3R3	3.3	M、N	1/1	0.150	3400	3400	2000	2500
SKNR3015H-4R7	4.7	M、N	1/1	0.185	2500	3000	1700	2000
SKNR3015H-6R8	6.8	M、N	1/1	0.320	2000	2400	1200	1350
SKNR3015H-100	10	M、N	1/1	0.450	1600	2000	1100	1250



## SKNR4012 TYPE

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR4012-R82	0.82	N	100/1	0.065	3020	3300	1650	2500
SKNR4012-1R0	1.0	N	100/1	0.065	2610	3200	1650	2500
SKNR4012-1R5	1.5	N	100/1	0.085	2100	2700	1460	2200
SKNR4012-1R8	1.8	N	100/1	0.104	2120	2600	1320	1900
SKNR4012-2R2	2.2	N	100/1	0.104	1960	2300	1320	1900
SKNR4012-2R7	2.7	N	100/1	0.117	1900	2300	1250	1700
SKNR4012-3R3	3.3	N	100/1	0.143	1720	2100	1120	1600
SKNR4012-3R6	3.6	N	100/1	0.143	1700	1800	1120	1600
SKNR4012-4R3	4.3	N	100/1	0.162	1580	1800	1000	1500
SKNR4012-4R7	4.7	N	100/1	0.163	1550	1800	1050	1500
SKNR4012-5R1	5.1	N	100/1	0.201	1550	1600	1050	1500
SKNR4012-5R6	5.6	N	100/1	0.230	1000	1600	1000	1200
SKNR4012-6R8	6.8	M、N	100/1	0.257	850	1400	840	1200
SKNR4012-100	10	M、N	100/1	0.345	800	1100	770	1000
SKNR4012-120	12	M、N	100/1	0.377	660	1000	700	950
SKNR4012-150	15	M、N	100/1	0.442	560	800	640	850
SKNR4012-180	18	M、N	100/1	0.611	550	750	550	800
SKNR4012-220	22	M、N	100/1	0.763	460	700	490	750
SKNR4012-270	27	M、N	100/1	0.936	450	700	450	600
SKNR4012-330	33	M、N	100/1	1,053	420	600	420	580
SKNR4012-360	36	M、N	100/1	1.170	400	560	400	560
SKNR4012-390	39	M、N	100/1	1.430	350	550	370	500
SKNR4012-470	47	M、N	100/1	1.430	350	500	370	500
SKNR4012-560	56	M、N	100/1	1.625	330	450	330	460
SKNR4012-680	68	M、N	100/1	2.535	330	450	270	450
SKNR4012-820	82	M、N	100/1	2.782	280	400	260	360
SKNR4012-101	100	M、N	100/1	2.783	250	300	250	350

**SKNR4018 TYPE**

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR4018-R47	0.47	N	100/1	0.018	5300	5700	4000	4500
SKNR4018-R68	0.68	N	100/1	0.028	4900	5600	3300	3800
SKNR4018-1R0	1.0	N	100/1	0.033	4800	5200	2000	3300
SKNR4018-1R5	1.5	N	100/1	0.039	3350	4000	2000	3200
SKNR4018-1R8	1.8	N	100/1	0.044	3000	3400	2000	2800
SKNR4018-2R2	2.2	M、N	100/1	0.059	2700	3200	1650	2600
SKNR4018-3R3	3.3	M、N	100/1	0.091	2450	3000	1230	2200
SKNR4018-4R7	4.7	M、N	100/1	0.117	1700	2200	1200	1800
SKNR4018-6R8	6.8	M、N	100/1	0.143	1450	2000	1060	1500
SKNR4018-100	10	M、N	100/1	0.234	1300	1600	840	1200
SKNR4018-150	15	M、N	100/1	0.325	940	1100	650	1000
SKNR4018-220	22	M、N	100/1	0.468	800	900	590	850
SKNR4018-330	33	M、N	100/1	0.689	570	750	490	720
SKNR4018-470	47	M、N	100/1	0.845	560	700	420	650
SKNR4018-680	68	M、N	100/1	1.300	470	510	320	520
SKNR4018-101	100	M、N	100/1	2.275	400	440	250	410

**SKNR4020 TYPE**

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR4020-R24	0.24	N	100/1	0.014	10500	12500	4500	5200
SKNR4020-R33	0.33	N	100/1	0.016	7500	8500	3300	4900
SKNR4020-R47	0.47	N	100/1	0.029	7000	7500	3300	3700
SKNR4020-R68	0.68	N	100/1	0.036	6400	6600	2800	3300
SKNR4020-1R0	1.0	N	100/1	0.038	5150	5600	2150	3200
SKNR4020-1R2	1.2	N	100/1	0.038	5100	5600	2080	3200
SKNR4020-1R5	1.5	N	100/1	0.046	4450	4900	1980	3000

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR4020-2R2	2.2	N	100/1	0.052	3400	3700	1850	2800
SKNR4020-3R3	3.3	M、N	100/1	0.091	3200	3500	1400	2500
SKNR4020-3R6	3.6	M、N	100/1	0.092	2800	3000	1540	2500
SKNR4020-4R7	4.7	M、N	100/1	0.098	2350	2500	1340	2000
SKNR4020-5R1	5.1	M、N	100/1	0.111	2300	2500	1270	1800
SKNR4020-5R6	5.6	M、N	100/1	0.117	2200	2400	1220	1800
SKNR4020-6R2	6.2	M、N	100/1	0.150	2150	2400	1080	1600
SKNR4020-6R8	6.8	M、N	100/1	0.163	2150	2400	1080	1600
SKNR4020-7R5	7.5	M、N	100/1	0.170	1850	2000	1040	1500
SKNR4020-8R2	8.2	M、N	100/1	0.183	1750	1900	1040	1400
SKNR4020-100	10	M、N	100/1	0.215	1600	1700	900	1200
SKNR4020-120	12	M、N	100/1	0.228	1500	1600	880	1200
SKNR4020-150	15	M、N	100/1	0.299	1350	1500	770	1100
SKNR4020-220	22	M、N	100/1	0.455	1050	1100	620	870
SKNR4020-270	27	M、N	100/1	0.709	1020	1100	500	700
SKNR4020-330	33	M、N	100/1	0.715	850	930	490	680
SKNR4020-390	39	M、N	100/1	0.845	820	900	460	640
SKNR4020-430	43	M、N	100/1	0.858	770	850	450	630
SKNR4020-470	47	M、N	100/1	0.923	740	810	440	610
SKNR4020-510	51	M、N	100/1	0.975	700	770	420	590
SKNR4020-560	56	M、N	100/1	1.040	660	720	410	570
SKNR4020-620	62	M、N	100/1	1.170	650	710	390	520
SKNR4020-680	68	M、N	100/1	1.380	610	670	360	500
SKNR4020-750	75	M、N	100/1	1.510	600	670	350	490
SKNR4020-820	82	M、N	100/1	1.520	500	550	340	470
SKNR4020-101	100	M、N	100/1	2.020	480	530	310	430

## SKNR4030 TYPE

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR4030-R68	0.68	N	100/1	0.013	6800	8000	4560	5100
SKNR4030-R91	0.91	N	100/1	0.017	6250	6800	4150	4700
SKNR4030-1R0	1.0	N	100/1	0.018	5860	6400	4150	4700
SKNR4030-1R2	1.2	N	100/1	0.020	5800	6300	3820	4200
SKNR4030-1R5	1.5	N	100/1	0.026	5480	5800	3340	3600
SKNR4030-1R8	1.8	N	100/1	0.033	5400	5800	3200	3300
SKNR4030-2R2	2.2	N	100/1	0.039	4900	5800	2950	3200
SKNR4030-3R3	3.3	M、N	100/1	0.052	3300	3600	2400	2600
SKNR4030-3R6	3.6	M、N	100/1	0.052	3000	3500	2400	2600
SKNR4030-3R9	3.9	M、N	100/1	0.074	3000	3300	2100	2300
SKNR4030-4R3	4.3	M、N	100/1	0.076	2950	3200	2100	2300
SKNR4030-4R7	4.7	M、N	100/1	0.078	2900	3200	2000	2300
SKNR4030-5R6	5.6	M、N	100/1	0.085	2750	3000	1950	2100
SKNR4030-6R8	6.8	M、N	100/1	0.117	2600	3000	1700	1800
SKNR4030-7R5	7.5	M、N	100/1	0.117	2200	2400	1650	1800
SKNR4030-8R2	8.2	M、N	100/1	0.117	2100	2400	1600	1700
SKNR4030-100	10	M、N	100/1	0.130	1950	2400	1500	1600
SKNR4030-120	12	M、N	100/1	0.175	1700	1800	1300	1400
SKNR4030-150	15	M、N	100/1	0.247	1650	1800	1110	1200
SKNR4030-180	18	M、N	100/1	0.260	1400	1500	1100	1200
SKNR4030-220	22	M、N	100/1	0.292	1300	1400	1000	1200
SKNR4030-270	27	M、N	100/1	0.338	1150	1350	900	1050
SKNR4030-330	33	M、N	100/1	0.429	1100	1200	840	920
SKNR4030-360	36	M、N	100/1	0.436	1050	1100	830	910
SKNR4030-390	39	M、N	100/1	0.566	1030	1100	730	800
SKNR4030-470	47	M、N	100/1	0.579	950	1000	720	800
SKNR4030-510	51	M、N	100/1	0.611	900	1000	700	800
SKNR4030-560	56	M、N	100/1	0.722	850	990	650	710
SKNR4030-620	62	M、N	100/1	0.761	800	990	630	700

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR4030-680	68	M、N	100/1	1.128	720	880	520	570
SKNR4030-750	75	M、N	100/1	1.326	700	880	480	530
SKNR4030-820	82	M、N	100/1	1.378	660	730	470	520
SKNR4030-910	91	M、N	100/1	1.430	650	730	460	500
SKNR4030-101	100	M、N	100/1	1.495	600	730	450	490
SKNR4030-121	120	M、N	100/1	1.755	550	600	420	460
SKNR4030-151	150	M、N	100/1	2.340	500	600	300	410
SKNR4030-221	220	M、N	100/1	3.250	400	500	350	400
SKNR4030-331	330	M、N	100/1	5.200	300	400	250	260
SKNR4030-471	470	M、N	100/1	9.360	300	350	200	210
SKNR4030-501	500	M、N	100/1	9.027	280	300	150	200
SKNR4030-681	680	M、N	100/1	9.854	190	230	140	190

## SKNR5020 TYPE

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR5020-R22	0.22	N	100/1	0.011	9000	12000	5300	6000
SKNR5020-R24	0.24	N	100/1	0.011	8000	10000	4800	6000
SKNR5020-R47	0.47	N	100/1	0.013	6150	6700	4600	5000
SKNR5020-R68	0.68	N	100/1	0.017	5500	6000	4000	4400
SKNR5020-R75	0.75	N	100/1	0.022	5500	6000	4000	4400
SKNR5020-1R0	1.0	N	100/1	0.026	4500	5000	3800	4100
SKNR5020-1R2	1.2	N	100/1	0.026	4100	4900	3550	3900
SKNR5020-1R5	1.5	N	100/1	0.034	4100	4500	3200	3500
SKNR5020-2R2	2.2	N	100/1	0.042	3200	4000	2900	3100
SKNR5020-2R7	2.7	N	100/1	0.049	2900	3500	2700	2900
SKNR5020-3R0	3.0	N	100/1	0.049	2550	2800	2700	2900
SKNR5020-3R3	3.3	N	100/1	0.056	2550	3000	2500	2700
SKNR5020-3R6	3.6	N	100/1	0.056	2800	3000	2500	2700

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR5020-3R9	3.9	N	100/1	0.056	2500	2800	2500	2700
SKNR5020-4R3	4.3	M、N	100/1	0.057	2500	3000	2200	2400
SKNR5020-4R7	4.7	M、N	100/1	0.074	2500	2700	2200	2400
SKNR5020-5R1	5.1	M、N	100/1	0.064	2350	2600	2050	2200
SKNR5020-5R6	5.6	M、N	100/1	0.083	2300	2500	2050	2200
SKNR5020-6R8	6.8	M、N	100/1	0.108	2050	2200	1800	1900
SKNR5020-7R5	7.5	M、N	100/1	0.117	1850	2000	1750	1900
SKNR5020-8R2	8.2	M、N	100/1	0.127	1850	2000	1650	1800
SKNR5020-9R1	9.1	M、N	100/1	0.143	1700	1800	1550	1700
SKNR5020-100	10	M、N	100/1	0.143	1700	1800	1550	1700
SKNR5020-120	12	M、N	100/1	0.182	1500	1600	1400	1500
SKNR5020-150	15	M、N	100/1	0.215	1350	1400	1250	1300
SKNR5020-180	18	M、N	100/1	0.26	1250	1300	1150	1200
SKNR5020-220	22	M、N	100/1	0.294	1150	1200	1100	1200
SKNR5020-330	33	M、N	100/1	0.507	920	1000	900	990
SKNR5020-470	47	M、N	100/1	0.68	770	840	770	840
SKNR5020-560	56	M、N	100/1	0.819	770	840	700	770
SKNR5020-680	68	M、N	100/1	0.962	650	700	640	700
SKNR5020-101	100	M、N	100/1	1.43	530	580	500	580

## SKNR5040 TYPE

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR5040-R47	0.47	N	100/1	0.010	8000	8500	6000	6100
SKNR5040-R68	0.68	N	100/1	0.011	7600	8000	5400	5500
SKNR5040-1R0	1	N	100/1	0.016	7350	8000	4900	5000
SKNR5040-1R2	1.2	N	100/1	0.021	6500	7000	4150	4250
SKNR5040-1R5	1.5	N	100/1	0.021	6300	6800	4150	4850
SKNR5040-1R8	1.8	N	100/1	0.021	5500	6050	4150	4300

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR5040-2R2	2.2	M、N	100/1	0.025	4900	5500	3800	4200
SKNR5040-2R2/6.4A	2.2	M、N	100/1	0.028	6400	7200	4700	5400
SKNR5040-2R7	2.7	M、N	100/1	0.029	4300	4800	3600	4000
SKNR5040-3R0	3	M、N	100/1	0.029	4150	4600	3600	4000
SKNR5040-3R3	3.3	M、N	100/1	0.031	3950	4450	3400	3900
SKNR5040-3R3/5.2A	3.3	M、N	100/1	0.035	5200	5800	4200	4850
SKNR5040-3R9	3.9	M、N	100/1	0.035	3550	4000	3200	3700
SKNR5040-4R7	4.7	M、N	100/1	0.039	3500	3800	3000	3300
SKNR5040-5R6	5.6	M、N	100/1	0.046	3000	3700	2800	3100
SKNR5040-6R8	6.8	M、N	100/1	0.056	2900	3400	2500	2800
SKNR5040-8R2	8.2	M、N	100/1	0.062	2700	2900	2300	2600
SKNR5040-100	10	M、N	100/1	0.083	2350	2700	2100	2350
SKNR5040-100/2.4A	10	M、N	100/1	0.093	2400	2700	2050	2350
SKNR5040-150	15	M、N	100/1	0.112	2000	2200	2000	2050
SKNR5040-220	22	M、N	100/1	0.168	1600	1800	1500	1600
SKNR5040-220/2.0A	22	M、N	100/1	0.163	2000	2200	1800	2000
SKNR5040-330	33	M、N	100/1	0.244	1300	1450	1200	1350
SKNR5040-470	47	M、N	100/1	0.354	1100	1200	1000	1150
SKNR5040-680	68	M、N	100/1	0.52	900	1000	800	900
SKNR5040-101	100	M、N	100/1	0.728	750	850	700	780
SKNR5040-151	150	M、N	100/1	0.975	650	670	600	700
SKNR5040-331	330	M、N	100/1	2.73	420	470	400	500
SKNR5040-681	680	M、N	100/1	5.07	300	350	250	300
SKNR5040-102	1000	M、N	100/1	13.18	200	250	200	250

## SKNR6020 TYPE

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR6020-R50	0.5	N	100/1	0.018	6550	8000	4000	5000
SKNR6020-R68	0.68	N	100/1	0.022	6550	7800	3800	4800
SKNR6020-R82	0.82	N	100/1	0.022	5300	7000	3800	4800

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR6020-1R0	1	N	100/1	0.025	5150	7000	3500	4400
SKNR6020-1R2	1.2	N	100/1	0.029	4590	6500	3200	4000
SKNR6020-1R5	1.5	N	100/1	0.029	4250	5800	3200	4000
SKNR6020-1R8	1.8	N	100/1	0.036	4250	5800	2750	3500
SKNR6020-2R0	2	N	100/1	0.046	4100	4900	2600	3300
SKNR6020-2R2	2.2	N	100/1	0.046	3750	4500	2600	3500
SKNR6020-2R7	2.7	N	100/1	0.046	3500	4600	2600	3300
SKNR6020-3R3	3.3	N	100/1	0.046	3250	3700	2600	3300
SKNR6020-3R9	3.9	N	100/1	0.064	3150	3900	2100	2600
SKNR6020-4R3	4.3	N	100/1	0.064	2700	3600	2100	2600
SKNR6020-4R7	4.7	N	100/1	0.075	2600	3600	2000	2500
SKNR6020-5R6	5.6	N	100/1	0.075	2400	2900	1900	2400
SKNR6020-6R2	6.2	N	100/1	0.103	2300	2700	1800	2300
SKNR6020-6R8	6.8	N	100/1	0.103	2200	2600	1800	2300
SKNR6020-8R2	8.2	N	100/1	0.137	2100	2500	1400	1800
SKNR6020-100	10	M、N	100/1	0.137	1750	2100	1400	1800
SKNR6020-120	12	M、N	100/1	0.156	1450	1700	1300	1600
SKNR6020-150	15	M、N	100/1	0.189	1200	1400	1200	1500
SKNR6020-180	18	M、N	100/1	0.234	1200	1400	1080	1400
SKNR6020-220	22	M、N	100/1	0.265	1050	1200	1000	1300
SKNR6020-330	33	M、N	100/1	0.390	950	1100	840	1050
SKNR6020-470	47	M、N	100/1	0.559	700	900	800	900
SKNR6020-331	330	M、N	100/1	3.419	270	330	330	390

## SKNR6028 TYPE

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR6028-R82	0.82	N	100/1	0.016	6500	9000	5200	6000
SKNR6028-1R0	1.0	N	100/1	0.017	6500	7500	5200	5700
SKNR6028-1R2	1.2	N	100/1	0.017	6400	7500	4580	5000



Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR6028-1R5	1.5	N	100/1	0.017	6000	6600	4580	5000
SKNR6028-2R2	2.2	N	100/1	0.026	5100	5600	3750	4100
SKNR6028-2R7	2.7	N	100/1	0.026	3800	4500	3750	4100
SKNR6028-3R3	3.3	N	100/1	0.033	3750	4500	3480	3800
SKNR6028-4R7	4.7	N	100/1	0.039	3200	3500	3080	3400
SKNR6028-5R1	5.1	N	100/1	0.056	3200	3500	2600	2800
SKNR6028-6R2	6.2	M、N	100/1	0.061	3050	3300	2400	2600
SKNR6028-6R8	6.8	M、N	100/1	0.061	2600	3000	2400	2600
SKNR6028-8R2	8.2	M、N	100/1	0.072	2300	2800	2250	2500
SKNR6028-9R1	9.1	M、N	100/1	0.092	2250	2800	2150	2400
SKNR6028-100	10	M、N	100/1	0.094	2040	2500	1950	2400
SKNR6028-120	12	M、N	100/1	0.104	1800	2000	1850	2000
SKNR6028-150	15	M、N	100/1	0.153	1750	1900	1450	1600
SKNR6028-180	18	M、N	100/1	0.156	1520	1800	1450	1600
SKNR6028-220	22	M、N	100/1	0.182	1500	1800	1400	1600
SKNR6028-270	27	M、N	100/1	0.202	1500	1600	1320	1400
SKNR6028-330	33	M、N	100/1	0.241	1350	1500	1220	1300
SKNR6028-360	36	M、N	100/1	0.280	1250	1400	1130	1200
SKNR6028-390	39	M、N	100/1	0.293	1250	1400	1100	1200
SKNR6028-470	47	M、N	100/1	0.410	1150	1300	1060	1100
SKNR6028-560	56	M、N	100/1	0.449	1050	1200	890	1000
SKNR6028-680	68	M、N	100/1	0.468	900	990	860	950
SKNR6028-750	75	M、N	100/1	0.533	900	990	810	900
SKNR6028-820	82	M、N	100/1	0.650	800	880	700	770
SKNR6028-101	100	M、N	100/1	0.650	650	710	700	770
SKNR6028-401	400	M、N	100/1	2.808	300	330	400	450
SKNR6028-102	1000	M、N	100/1	7.540	180	220	230	260

## SKNR6045 TYPE

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR6045-R47	0.47	N	100/1	0.008	15000	16500	6500	7500
SKNR6045-R56	0.56	N	100/1	0.008	15000	16500	6500	7500
SKNR6045-R68	0.68	N	100/1	0.008	11000	12000	5900	6500
SKNR6045-R82	0.82	N	100/1	0.010	10350	11000	5900	6500
SKNR6045-1R0	1	N	100/1	0.010	9850	10000	5440	5900
SKNR6045-1R2	1.2	N	100/1	0.013	8350	9700	5400	5900
SKNR6045-1R3	1.3	N	100/1	0.013	8350	9700	5400	5900
SKNR6045-1R5	1.5	N	100/1	0.016	8300	9700	4950	5400
SKNR6045-1R8	1.8	N	100/1	0.016	7600	8400	4950	5400
SKNR6045-2R2	2.2	N	100/1	0.018	6750	7400	4600	5000
SKNR6045-2R3	2.3	N	100/1	0.018	6000	6600	4500	3800
SKNR6045-2R7	2.7	N	100/1	0.020	5750	6300	4300	4700
SKNR6045-3R0	3	N	100/1	0.02	5600	6200	3800	4200
SKNR6045-3R3	3.3	N	100/1	0.027	5300	6200	3700	4000
SKNR6045-3R6	3.6	N	100/1	0.027	5250	5700	3700	4000
SKNR6045-4R3	4.3	M、N	100/1	0.030	4970	5500	3500	3800
SKNR6045-4R5	4.5	M、N	100/1	0.034	4970	5500	3300	3600
SKNR6045-4R7	4.7	M、N	100/1	0.034	4970	5500	3300	3600
SKNR6045-5R1	5.1	M、N	100/1	0.034	4450	4800	3300	3600
SKNR6045-5R6	5.6	M、N	100/1	0.038	4450	4600	3150	3400
SKNR6045-6R2	6.2	M、N	100/1	0.040	4430	4800	3000	3300
SKNR6045-6R3	6.3	M、N	100/1	0.040	4430	4800	3000	3300
SKNR6045-6R8	6.8	M、N	100/1	0.040	3900	4300	3000	3300
SKNR6045-7R5	7.5	M、N	100/1	0.044	3900	3800	2900	3200
SKNR6045-8R2	8.2	M、N	100/1	0.056	3900	4300	2600	2800
SKNR6045-9R1	9.1	M、N	100/1	0.056	3350	3700	2600	2800
SKNR6045-100	10	M、N	100/1	0.062	3200	3500	2450	2700
SKNR6045-120	12	M、N	100/1	0.075	2800	3000	2200	2400
SKNR6045-150	15	M、N	100/1	0.088	2500	2700	2050	2200
SKNR6045-180	18	M、N	100/1	0.105	2200	2400	1850	2000
SKNR6045-220	22	M、N	100/1	0.116	2050	2200	1800	2000
SKNR6045-270	27	M、N	100/1	0.133	1900	2100	1650	1800

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR6045-300	30	M、N	100/1	0.172	1700	1800	1500	1600
SKNR6045-330	33	M、N	100/1	0.178	1650	1800	1450	1600
SKNR6045-360	36	M、N	100/1	0.225	1620	1800	1400	1500
SKNR6045-390	39	M、N	100/1	0.234	1500	1800	1250	1400
SKNR6045-430	43	M、N	100/1	0.260	1430	1800	1200	1300
SKNR6045-470	47	M、N	100/1	0.260	1400	1500	1200	1300
SKNR6045-510	51	M、N	100/1	0.269	1350	1500	1150	1200
SKNR6045-560	56	M、N	100/1	0.287	1300	1400	1100	1200
SKNR6045-620	62	M、N	100/1	0.306	1250	1400	1100	1200
SKNR6045-680	68	M、N	100/1	0.376	1200	1300	1000	1100
SKNR6045-750	75	M、N	100/1	0.397	1150	1200	950	1000
SKNR6045-820	82	M、N	100/1	0.443	1050	1100	900	990
SKNR6045-910	91	M、N	100/1	0.467	1000	1100	850	940
SKNR6045-101	100	M、N	100/1	0.563	950	1000	800	880
SKNR6045-121	120	M、N	100/1	0.629	850	940	770	850
SKNR6045-151	150	M、N	100/1	0.754	800	880	700	770
SKNR6045-221	220	M、N	100/1	1.084	700	770	590	650
SKNR6045-331	330	M、N	100/1	1.651	570	630	570	630
SKNR6045-471	470	M、N	100/1	2.340	500	560	420	480
SKNR6045-681	680	M、N	100/1	3.250	420	460	330	380
SKNR6045-102	1000	M、N	100/1	5.850	300	350	300	350
SKNR6045-152	1500	M、N	100/1	8.450	240	270	210	240
SKNR6045Y70	47	M、N	100/1	0.260	1400	1500	1200	1300

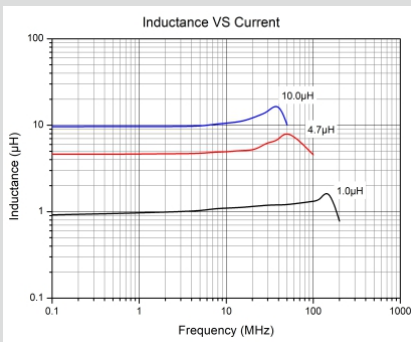
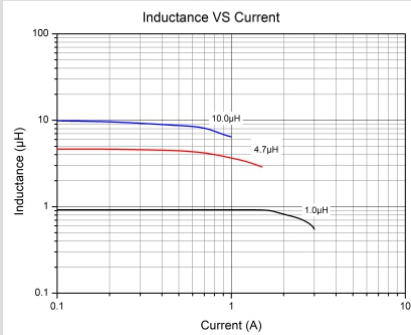
## SKNR8040 TYPE

Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR8040-R82	0.82	N	100/1	0.010	13800	16000	6300	6900
SKNR8040-1R0	1	N	100/1	0.010	9850	14000	6300	6900
SKNR8040-1R2	1.2	N	100/1	0.013	8150	14000	5650	6200
SKNR8040-1R5	1.5	N	100/1	0.013	8150	11000	5650	6200
SKNR8040-2R0	2	N	100/1	0.016	7100	10000	5150	5600
SKNR8040-2R2	2.2	N	100/1	0.016	7100	8000	5150	5600
SKNR8040-3R0	3	N	100/1	0.018	6500	7000	4700	5200
SKNR8040-3R3	3.3	N	100/1	0.022	6500	7000	4400	4800

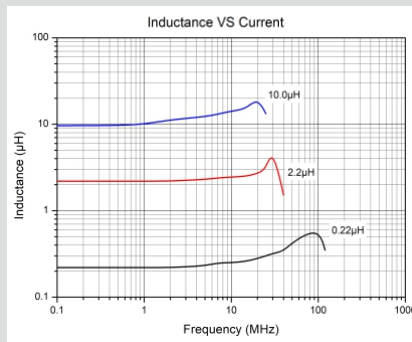
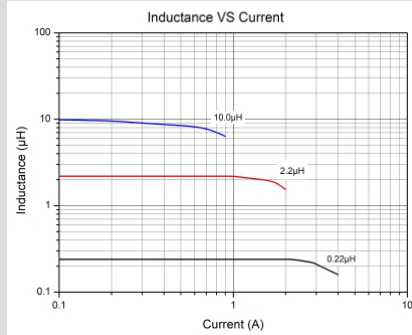
Part Number	Inductance	Inductance Tolerance	L,Q Test Freq. L/Q	Max. DC Resistance	Saturation Current		Temperature Rise Current	
					Isat		Irms	
	L	-	Freq	DCR	Max.	Typ.	Max.	Typ.
Units	μH	-	kHz/V	Ω	mA	mA	mA	mA
SKNR8040-3R6	3.6	N	100/1	0.022	6000	8500	4350	4800
SKNR8040-3R9	3.9	N	100/1	0.022	6000	6500	4350	4800
SKNR8040-4R7	4.7	N	100/1	0.025	5900	6500	4100	4500
SKNR8040-5R1	5.1	N	100/1	0.025	5700	5400	4050	4400
SKNR8040-5R6	5.6	N	100/1	0.027	5500	6900	3850	4200
SKNR8040-6R2	6.2	N	100/1	0.027	4550	5100	3850	4200
SKNR8040-6R8	6.8	M、N	100/1	0.031	4550	5200	3600	4000
SKNR8040-8R2	8.2	M、N	100/1	0.034	4200	4800	3450	3800
SKNR8040-100	10	M、N	100/1	0.038	3600	4100	3300	3600
SKNR8040-120	12	M、N	100/1	0.053	3500	4000	2800	3000
SKNR8040-150	15	M、N	100/1	0.061	2950	3400	2600	2800
SKNR8040-180	18	M、N	100/1	0.069	2700	3100	2400	2600
SKNR8040-220	22	M、N	100/1	0.090	2400	2700	2100	2300
SKNR8040-270	27	M、N	100/1	0.101	2150	2500	2000	2200
SKNR8040-330	33	M、N	100/1	0.126	2050	2400	1800	2000
SKNR8040-360	36	M、N	100/1	0.133	2000	2300	1750	1900
SKNR8040-390	39	M、N	100/1	0.139	1950	2200	1700	1900
SKNR8040-430	43	M、N	100/1	0.147	1900	2200	1650	1800
SKNR8040-470	47	M、N	100/1	0.177	1750	2000	1550	1700
SKNR8040-510	51	M、N	100/1	0.185	1700	1900	1500	1600
SKNR8040-560	56	M、N	100/1	0.192	1550	1700	1450	1600
SKNR8040-620	62	M、N	100/1	0.237	1500	1600	1300	1400
SKNR8040-680	68	M、N	100/1	0.255	1450	1600	1250	1400
SKNR8040-750	75	M、N	100/1	0.274	1350	1500	1200	1300
SKNR8040-820	82	M、N	100/1	0.293	1300	1400	1150	1200
SKNR8040-910	91	M、N	100/1	0.354	1200	1300	1050	1100
SKNR8040-101	100	M、N	100/1	0.377	1150	1300	1000	1100
SKNR8040-121	120	M、N	100/1	0.434	1150	1100	950	1000
SKNR8040-151	150	M、N	100/1	0.533	1100	1200	850	940
SKNR8040-181	180	M、N	100/1	0.676	950	1150	830	920
SKNR8040-221	220	M、N	100/1	0.779	850	940	800	880
SKNR8040-331	330	M、N	100/1	1.156	680	750	640	700
SKNR8040-471	470	M、N	100/1	1.625	600	700	500	600
SKNR8040-681	680	M、N	100/1	2.665	500	600	450	500
SKNR8040-102	1000	M、N	100/1	3.640	400	500	350	400
SKNR8040-152	1500	M、N	100/1	6.500	320	380	260	270

## TYPICAL ELECTRICAL CHARACTERISTICS

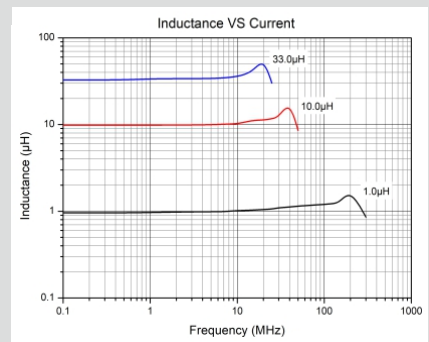
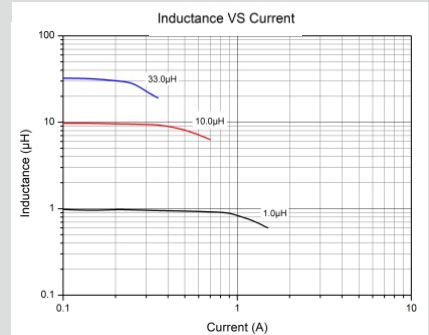
SKNR252012 TYPE



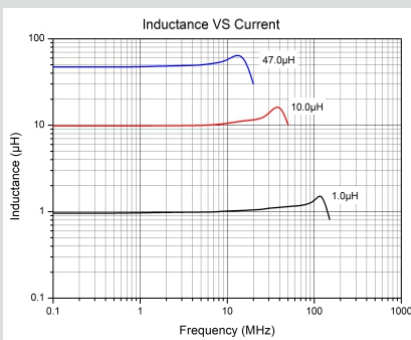
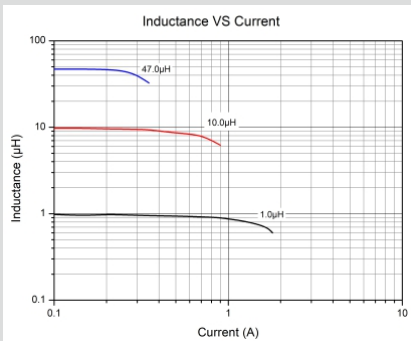
SKNR252012H TYPE



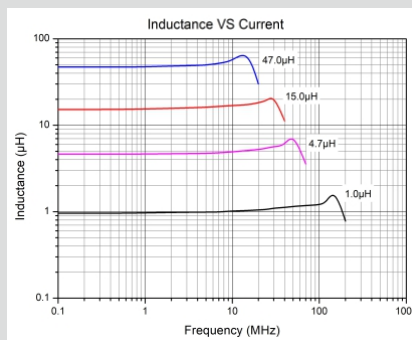
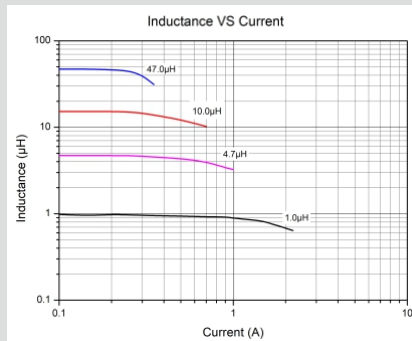
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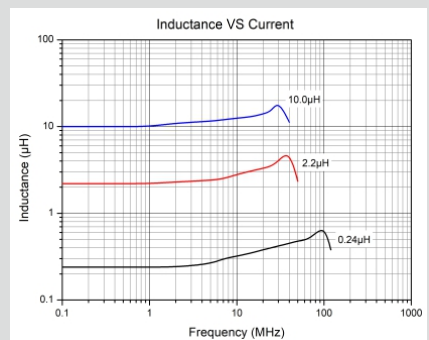
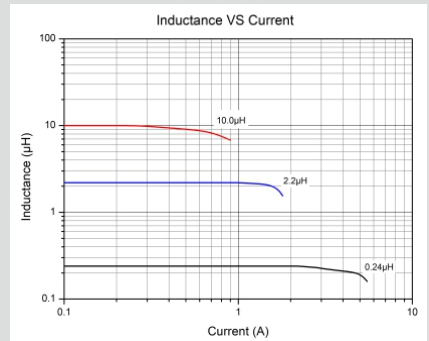
SKNR3012 TYPE



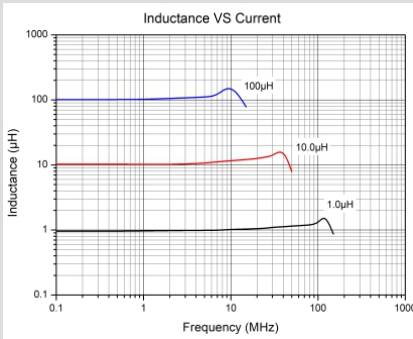
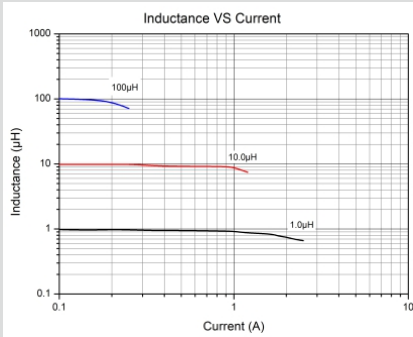
SKNR3015 TYPE



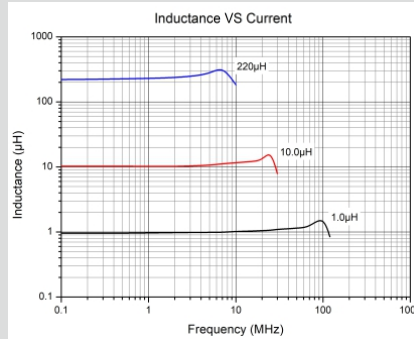
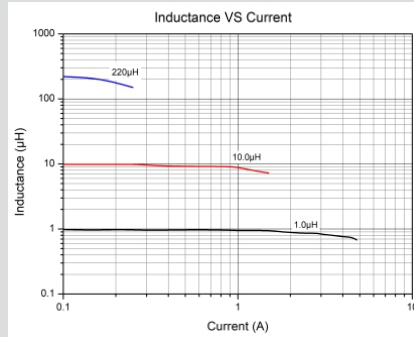
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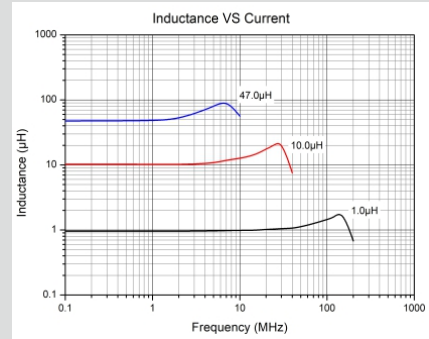
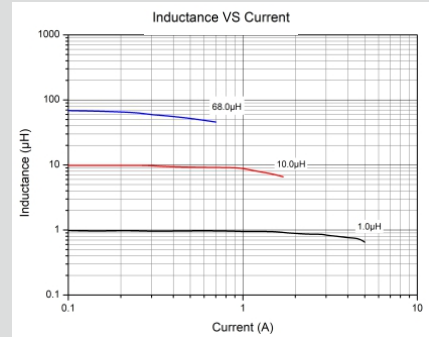
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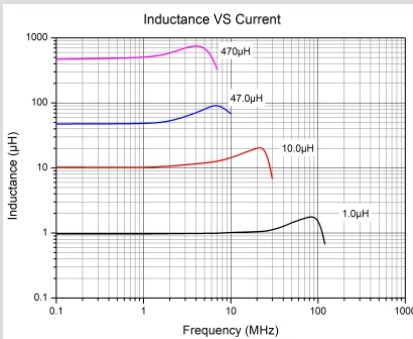
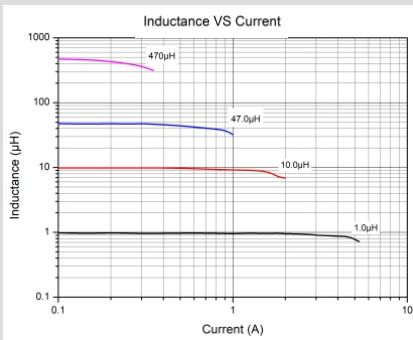
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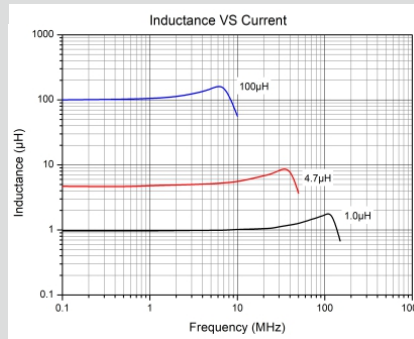
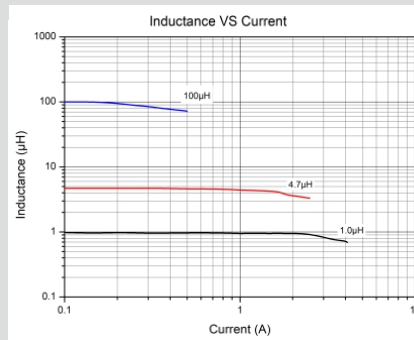
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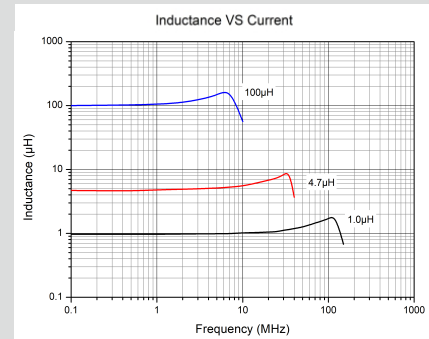
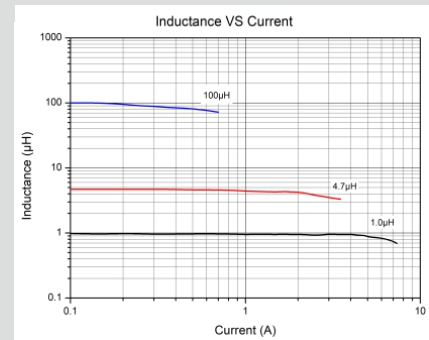
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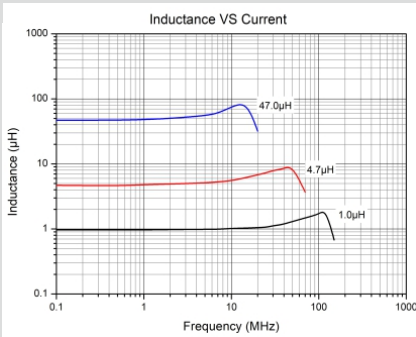
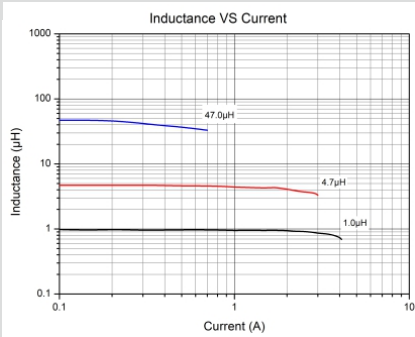
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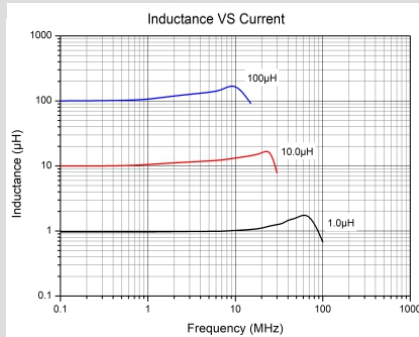
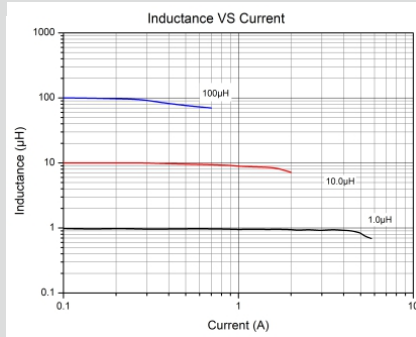
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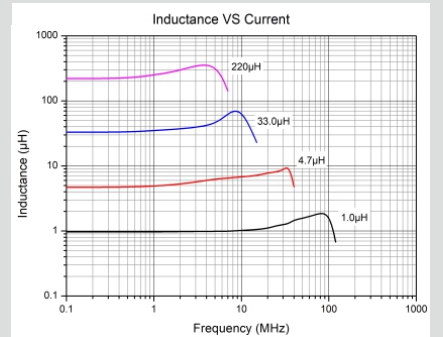
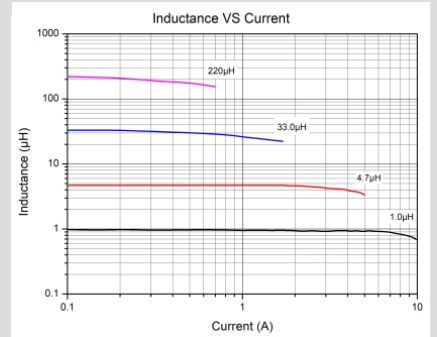
SKNR6020 TYPE



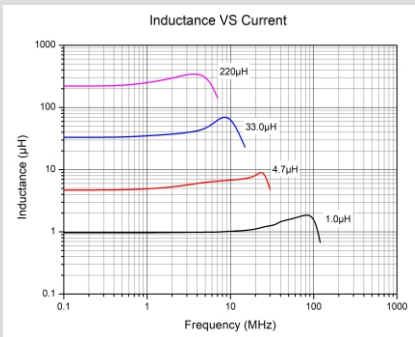
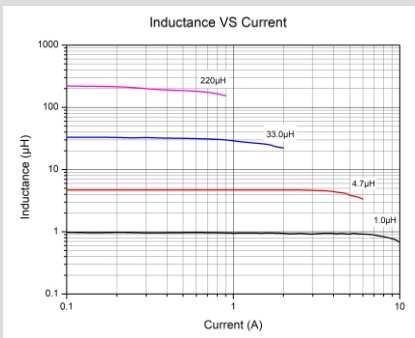
SKNR6028 TYPE



SKNR6045 TYPE



SKNR8040 TYPE



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[1206CS-471XJ](#) [HC2-R47-R](#) [HC8-1R2-R](#) [HCF1305-3R3-R](#) [1206CS-151XG](#) [RCH664NP-140L](#) [RCH664NP-4R7M](#) [RCP1317NP-391L](#)  
[RCR110DNP-331L](#) [DH2280-4R7M](#) [DS1608C-106](#) [B10TJ](#) [B82498B3101J000](#) [ELJ-RE27NJF2](#) [1812CS-153XJ](#) [1812CS-183XJ](#) [1812CS-](#)  
[223XJ](#) [1812LS-104XJ](#) [1812LS-105XJ](#) [1812LS-124XJ](#) [1812LS-154XJ](#) [1812LS-223XJ](#) [1812LS-224XJ](#) [1812LS-563XJ](#) [1812LS-683XJ](#)  
[1812LS-824XJ](#) [NIN-FB101JTR110F](#) [NIN-FB471JTR62F](#) [NIN-FC1R5JTR220F](#) [NIN-HCR15JTRF](#) [NIN-HCR33JTRF](#) [NIN-HDR22JTRF](#)