

Wire-wound Ferrite Power Inductors LSXN/LSXP series

for General Electronic Equipment for Consumer

Code in front of Series have been extracted from Part number, which describes the segment of products, such as kinds and characteristics.

REFLOW

PART NUMBER

* Operating Temp.: -25~+120°C (LSXN 4040/5050/6060/8080: -25~+125°C) (Including self-generated heat)

L	S	X	N	D	4	0	4	0	K	K	L	1	0	0	M	D	G
①	②	③	④	⑤	⑥	⑦	⑧										

①Series

Code (1)(2)(3)(4)	
LSXN	Wire-wound Ferrite Power Inductor for General Electronic Equipment for Consumer
LSXP	Wire-wound Ferrite Power Inductor for General Electronic Equipment for Consumer

(1) Product Group

Code	
L	Inductors

(2) Category

Code	Recommended equipment	Quality Grade
S	General Electronic Equipment for Consumer	3

(3) Type

Code	
X	Ferrite Wire-wound (Drum type)

(4) Features, Characteristics

Code	
N	Standard Power choke
P	High current power choke

②Features

Code	Feature
D	Bottom electrode (Ag × solder)
E	Bottom electrode (Cu × solder)
H	Bottom electrode (Frame type)

③Dimensions (L × W)

Code	Dimensions (L × W) [mm]
2020	2.0 × 2.0
2424	2.4 × 2.4
3030	3.0 × 3.0
4040	4.0 × 4.0
5050	5.0 × 5.0
6060	6.0 × 6.0
8080	8.0 × 8.0
YE	4.5

④Dimensions (H)

Code	Dimensions (H) [mm]
KK	1.0
MK	1.2
PK	1.4
QK	1.5
TK	1.8
WK	2.0
WD	2.4
WE	2.5
WH	2.8
XK	3.0
XA	3.1
YK	4.0
YA	4.1
YB	4.2

⑤Packaging

Code	Packaging
T	Taping
L	Taping

⑥Nominal inductance

Code (example)	Nominal inductance [μH]
2R2	2.2
100	10
101	100

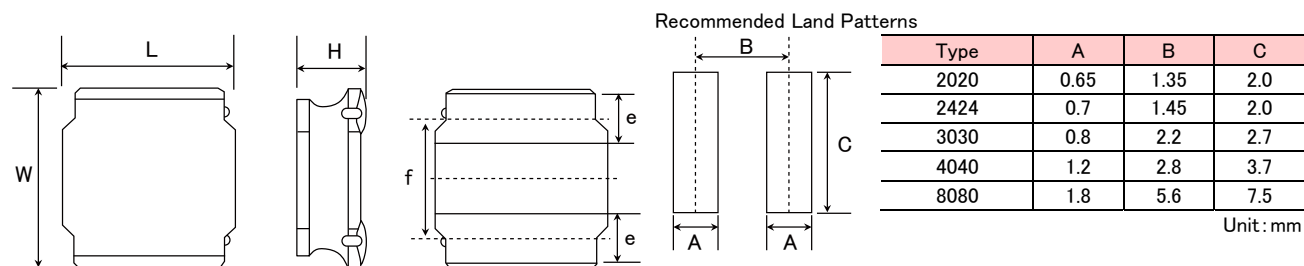
※R=Decimal point

⑦Inductance tolerance

Code	Inductance tolerance
M	±20%
N	±30%

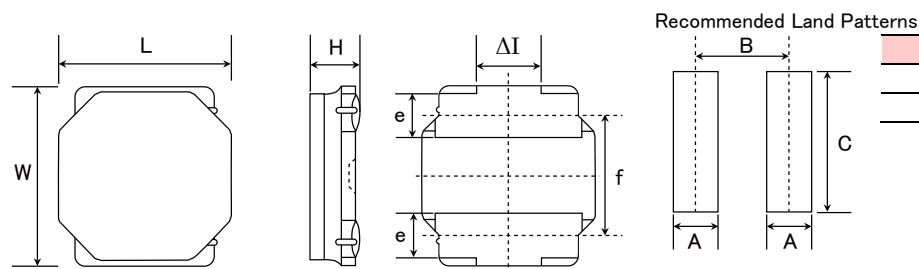
⑧Internal code

■ STANDARD EXTERNAL DIMENSIONS / STANDARD QUANTITY



Type	L	W	H	e	f	Standard quantity [pcs] Taping
2020KK	2.0±0.1 (0.079±0.004)	2.0±0.1 (0.079±0.004)	1.0 max (0.039 max)	0.5±0.2 (0.020±0.008)	1.25±0.2 (0.050±0.008)	2500
2020MK	2.0±0.1 (0.079±0.004)	2.0±0.1 (0.079±0.004)	1.2 max (0.047 max)	0.5±0.2 (0.020±0.008)	1.25±0.2 (0.050±0.008)	2500
2424KK	2.4±0.1 (0.095±0.004)	2.4±0.1 (0.095±0.004)	1.0 max (0.039 max)	0.6±0.2 (0.024±0.008)	1.45±0.2 (0.057±0.008)	2500
2424MK	2.4±0.1 (0.095±0.004)	2.4±0.1 (0.095±0.004)	1.2 max (0.047 max)	0.6±0.2 (0.024±0.008)	1.45±0.2 (0.057±0.008)	2500
3030KK	3.0±0.1 (0.118±0.004)	3.0±0.1 (0.118±0.004)	1.0 max (0.039 max)	0.9±0.2 (0.035±0.008)	1.9±0.2 (0.075±0.008)	2000
3030MK	3.0±0.1 (0.118±0.004)	3.0±0.1 (0.118±0.004)	1.2 max (0.047 max)	0.9±0.2 (0.035±0.008)	1.9±0.2 (0.075±0.008)	2000
3030QK	3.0±0.1 (0.118±0.004)	3.0±0.1 (0.118±0.004)	1.5 max (0.059 max)	0.9±0.2 (0.035±0.008)	1.9±0.2 (0.075±0.008)	2000
4040KK	4.0±0.2 (0.158±0.008)	4.0±0.2 (0.158±0.008)	1.0 max (0.039 max)	1.1±0.2 (0.043±0.008)	2.5±0.2 (0.098±0.008)	5000
4040MK	4.0±0.2 (0.158±0.008)	4.0±0.2 (0.158±0.008)	1.2 max (0.047 max)	1.1±0.2 (0.043±0.008)	2.5±0.2 (0.098±0.008)	4500
4040TK	4.0±0.2 (0.158±0.008)	4.0±0.2 (0.158±0.008)	1.8 max (0.071 max)	1.1±0.2 (0.043±0.008)	2.5±0.2 (0.098±0.008)	3500
8080XK	8.0±0.2 (0.315±0.008)	8.0±0.2 (0.315±0.008)	3.0 max (0.118 max)	1.60±0.3 (0.063±0.012)	5.6±0.3 (0.22±0.012)	1000
8080YK	8.0±0.2 (0.315±0.008)	8.0±0.2 (0.315±0.008)	4.0 max (0.158 max)	1.60±0.3 (0.063±0.012)	5.6±0.3 (0.22±0.012)	1000
8080YB	8.0±0.2 (0.315±0.008)	8.0±0.2 (0.315±0.008)	4.2 max (0.165 max)	1.60±0.3 (0.063±0.012)	5.6±0.3 (0.22±0.012)	1000

Unit: mm (inch)



Type	A	B	C
5050	1.5	3.6	4.0
6060	1.6	4.7	5.7

Unit: mm

Type	L	W	H	e	f	ΔI	Standard quantity [pcs] Taping
5050KK	4.9±0.2 (0.193±0.008)	4.9±0.2 (0.193±0.008)	1.0 max (0.039 max)	1.2±0.2 (0.047±0.008)	3.3±0.2 (0.130±0.008)	1.3typ (0.051typ)	1000
5050MK	4.9±0.2 (0.193±0.008)	4.9±0.2 (0.193±0.008)	1.2 max (0.047 max)	1.2±0.2 (0.047±0.008)	3.3±0.2 (0.130±0.008)	1.3typ (0.051typ)	1000
5050PK	4.9±0.2 (0.193±0.008)	4.9±0.2 (0.193±0.008)	1.4 max (0.055 max)	1.2±0.2 (0.047±0.008)	3.3±0.2 (0.130±0.008)	1.3typ (0.051typ)	1000
5050WK	4.9±0.2 (0.193±0.008)	4.9±0.2 (0.193±0.008)	2.0 max (0.079 max)	1.2±0.2 (0.047±0.008)	3.3±0.2 (0.130±0.008)	1.3typ (0.051typ)	800
5050WD	4.9±0.2 (0.193±0.008)	4.9±0.2 (0.193±0.008)	2.4 max (0.095 max)	1.2±0.2 (0.047±0.008)	3.3±0.2 (0.130±0.008)	1.3typ (0.051typ)	2500
5050WE	4.9±0.2 (0.193±0.008)	4.9±0.2 (0.193±0.008)	2.5 max (0.098 max)	1.2±0.2 (0.047±0.008)	3.3±0.2 (0.130±0.008)	1.3typ (0.051typ)	2500
5050XK	4.9±0.2 (0.193±0.008)	4.9±0.2 (0.193±0.008)	3.0 max (0.118 max)	1.2±0.2 (0.047±0.008)	3.3±0.2 (0.130±0.008)	1.3typ (0.051typ)	500
5050XA	4.9±0.2 (0.193±0.008)	4.9±0.2 (0.193±0.008)	3.1 max (0.122 max)	1.2±0.2 (0.047±0.008)	3.3±0.2 (0.130±0.008)	1.3typ (0.051typ)	500
5050YK	4.9±0.2 (0.193±0.008)	4.9±0.2 (0.193±0.008)	4.0 max (0.158 max)	1.2±0.2 (0.047±0.008)	3.3±0.2 (0.130±0.008)	1.3typ (0.051typ)	1500
5050YA	4.9±0.2 (0.193±0.008)	4.9±0.2 (0.193±0.008)	4.1 max (0.161 max)	1.2±0.2 (0.047±0.008)	3.3±0.2 (0.130±0.008)	1.3typ (0.051typ)	1500
6060KK	6.0±0.2 (0.236±0.008)	6.0±0.2 (0.236±0.008)	1.0 max (0.039 max)	1.35±0.2 (0.053±0.008)	4.0±0.2 (0.158±0.008)	2.3typ (0.091typ)	1000
6060MK	6.0±0.2 (0.236±0.008)	6.0±0.2 (0.236±0.008)	1.2 max (0.047 max)	1.35±0.2 (0.053±0.008)	4.0±0.2 (0.158±0.008)	2.3typ (0.091typ)	1000
6060PK	6.0±0.2 (0.236±0.008)	6.0±0.2 (0.236±0.008)	1.4 max (0.055 max)	1.35±0.2 (0.053±0.008)	4.0±0.2 (0.158±0.008)	2.3typ (0.091typ)	1000
6060WK	6.0±0.2 (0.236±0.008)	6.0±0.2 (0.236±0.008)	2.0 max (0.079 max)	1.35±0.2 (0.053±0.008)	4.0±0.2 (0.158±0.008)	2.3typ (0.091typ)	2500
6060WH	6.0±0.2 (0.236±0.008)	6.0±0.2 (0.236±0.008)	2.8 max (0.110 max)	1.35±0.2 (0.053±0.008)	4.0±0.2 (0.158±0.008)	2.3typ (0.091typ)	2000
6060YE	6.0±0.2 (0.236±0.008)	6.0±0.2 (0.236±0.008)	4.5 max (0.177 max)	1.35±0.2 (0.053±0.008)	4.0±0.2 (0.158±0.008)	2.3typ (0.091typ)	1500

Unit: mm (inch)

■ PART NUMBER

● 2020MK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm$ 20%)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXND2020MKT1R0N0G	NRS2012T 1R0N GJ	RoHS	1.0	$\pm$ 30%	—	0.070	1,900	2,050	1,700	1,850	100
LSXND2020MKT1R5N0G	NRS2012T 1R5N GJ	RoHS	1.5	$\pm$ 30%	—	0.090	1,650	1,800	1,500	1,650	100
LSXND2020MKT2R2M0G	NRS2012T 2R2M GJ	RoHS	2.2	$\pm$ 20%	—	0.107	1,350	1,500	1,370	1,500	100
LSXND2020MKT3R3M0G	NRS2012T 3R3M GJ	RoHS	3.3	$\pm$ 20%	—	0.190	1,000	1,150	1,020	1,100	100
LSXND2020MKT4R7M0G	NRS2012T 4R7M GJ	RoHS	4.7	$\pm$ 20%	—	0.241	900	1,050	910	1,000	100

● 2020KK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm 20\%$)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXPD2020KKT4R7N0G	NRV2010T 4R7N GF	RoHS	0.47	$\pm 30\%$	—	0.052	2,100	2,250	2,000	2,300	100
LSXPD2020KKT6R8N0G	NRV2010T 6R8N GF	RoHS	0.68	$\pm 30\%$	—	0.060	1,850	2,000	1,850	2,100	100
LSXPD2020KKT1R0N0G	NRV2010T 1R0N GF	RoHS	1.0	$\pm 30\%$	—	0.080	1,550	1,700	1,600	1,850	100
LSXPD2020KKT1R5M0G	NRV2010T 1R5M GF	RoHS	1.5	$\pm 20\%$	—	0.100	1,350	1,450	1,450	1,650	100
LSXPD2020KKT2R2M0G	NRV2010T 2R2M GF	RoHS	2.2	$\pm 20\%$	—	0.175	1,100	1,200	1,100	1,200	100
LSXPD2020KKT3R3M0G	NRV2010T 3R3M GF	RoHS	3.3	$\pm 20\%$	—	0.250	880	950	1,000	1,100	100
LSXPD2020KKT4R7M0G	NRV2010T 4R7M GF	RoHS	4.7	$\pm 20\%$	—	0.320	760	810	820	930	100

● 2020MK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm$ 20%)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXPD2020MKT1R0N0G	NRV2012T 1R0N GF	RoHS	1.0	$\pm$ 30%	—	0.073	2,200	2,350	1,650	1,830	100
LSXPD2020MKT1R5N0G	NRV2012T 1R5N GF	RoHS	1.5	$\pm$ 30%	—	0.100	1,800	1,950	1,400	1,550	100
LSXPD2020MKT2R2M0G	NRV2012T 2R2M GF	RoHS	2.2	$\pm$ 20%	—	0.129	1,600	1,700	1,200	1,350	100
LSXPD2020MKT3R3M0G	NRV2012T 3R3M GF	RoHS	3.3	$\pm$ 20%	—	0.227	1,250	1,350	900	1,040	100
LSXPD2020MKT4R7M0G	NRV2012T 4R7M GF	RoHS	4.7	$\pm$ 20%	—	0.325	1,100	1,150	750	850	100

● 2424KK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] (±20%)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXNE2424KKT6R8NN	NRH2410T 6R8NN 4	RoHS	0.68	±30%	120	0.060	2,200	2,300	1,570	1,810	100
LSXNE2424KKT1R0NN	NRH2410T 1R0NN 4	RoHS	1.0	±30%	106	0.070	1,800	1,950	1,410	1,640	100
LSXNE2424KKT1R5MN	NRH2410T 1R5MN	RoHS	1.5	±20%	94	0.110	1,550	1,640	1,160	1,320	100
LSXNE2424KKT2R2MN	NRH2410T 2R2MN	RoHS	2.2	±20%	77	0.150	1,290	1,340	970	1,110	100
LSXNE2424KKT3R3MN	NRH2410T 3R3MN	RoHS	3.3	±20%	56	0.220	1,000	1,140	770	890	100
LSXNE2424KKT4R7MN	NRH2410T 4R7MN	RoHS	4.7	±20%	50	0.290	880	930	670	780	100
LSXNE2424KKT6R8MN	NRH2410T 6R8MN	RoHS	6.8	±20%	43	0.410	750	765	570	650	100
LSXNE2424KKT100MN	NRH2410T 100MN	RoHS	10	±20%	32	0.690	550	605	450	520	100
LSXNE2424KKT150MN	NRH2410T 150MN	RoHS	15	±20%	27	1.02	470	520	370	430	100
LSXNE2424KKT220MN	NRH2410T 220MN	RoHS	22	±20%	22	1.47	390	405	300	340	100

● 2424MK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm 20\%$)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXNE2424MKT4R7NNG	NRH2412T 4R7NNGJ	RoHS	0.47	$\pm 30\%$	180	0.050	2,900	3,690	2,100	2,300	100
LSXNE2424MKT1R0NNG	NRH2412T 1R0NNGH	RoHS	1.0	$\pm 30\%$	101	0.077	2,350	2,610	1,300	1,540	100
LSXNE2424MKT1R5NNG	NRH2412T 1R5NNGH	RoHS	1.5	$\pm 30\%$	89	0.100	2,100	2,290	1,150	1,390	100
LSXNE2424MKT2R2MNG	NRH2412T 2R2MNGH	RoHS	2.2	$\pm 20\%$	72	0.140	1,700	1,940	1,000	1,190	100
LSXNE2424MKT3R3MNG	NRH2412T 3R3MNGH	RoHS	3.3	$\pm 20\%$	56	0.225	1,400	1,600	750	890	100
LSXNE2424MKT4R7MNG	NRH2412T 4R7MNGH	RoHS	4.7	$\pm 20\%$	45	0.300	1,150	1,280	650	770	100
LSXNE2424MKT6R8MNG	NRH2412T 6R8MNGH	RoHS	6.8	$\pm 20\%$	34	0.420	950	1,100	550	635	100
LSXNE2424MKT100MNG	NRH2412T 100MNGH	RoHS	10	$\pm 20\%$	29	0.600	810	900	450	510	100

● 3030KK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm 20\%$)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXNE3030KKT1R2NN	NRH3010T 1R2NN	RoHS	1.2	$\pm 30\%$	120	0.065	1,700	1,740	1,480	1,850	100
LSXNE3030KKT1R5NN	NRH3010T 1R5NN	RoHS	1.5	$\pm 30\%$	99	0.075	1,440	1,500	1,370	1,680	100
LSXNE3030KKT2R2MN	NRH3010T 2R2MN	RoHS	2.2	$\pm 20\%$	86	0.083	1,300	1,400	1,300	1,550	100
LSXNE3030KKT3R3MN	NRH3010T 3R3MN	RoHS	3.3	$\pm 20\%$	64	0.130	1,000	1,020	1,030	1,220	100
LSXNE3030KKT4R7MN	NRH3010T 4R7MN	RoHS	4.7	$\pm 20\%$	50	0.170	850	930	900	1,090	100
LSXNE3030KKT6R8MN	NRH3010T 6R8MN	RoHS	6.8	$\pm 20\%$	44	0.250	700	750	745	920	100
LSXNE3030KKT100MN	NRH3010T 100MN	RoHS	10	$\pm 20\%$	34	0.350	600	650	620	780	100
LSXNE3030KKT150MN	NRH3010T 150MN	RoHS	15	$\pm 20\%$	25	0.550	450	520	480	600	100
LSXNE3030KKT220MN	NRH3010T 220MN	RoHS	22	$\pm 20\%$	22	0.770	380	440	410	510	100
LSXNE3030KKT330MN	NRH3010T 330MN	RoHS	33	$\pm 20\%$	20	1.250	290	360	350	440	100
LSXNE3030KKT470MN	NRH3010T 470MN	RoHS	47	$\pm 20\%$	17	2.050	250	300	285	320	100

※) The saturation current value (Idc1) is the DC current value having inductance decrease down to 30%. (at 20°C)

※) The temperature rise current value (Idc2) is the DC current value having temperature increase up to 40°C. (at 20°C)

※) The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

PART NUMBER

3030MK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm$ 20%)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXNE3030MKT47NN	NRH3012T R47NN	RoHS	0.47	$\pm$ 30%	160	0.033	2,600	3,200	1,900	2,280	100
LSXNE3030MKT1R0NN	NRH3012T 1R0NN	RoHS	1.0	$\pm$ 30%	111	0.048	2,200	2,500	1,710	1,970	100
LSXNE3030MKT1R5NN	NRH3012T 1R5NN	RoHS	1.5	$\pm$ 30%	95	0.055	1,700	1,900	1,600	1,750	100
LSXNE3030MKT2R2MN	NRH3012T 2R2MN	RoHS	2.2	$\pm$ 20%	78	0.075	1,500	1,750	1,370	1,600	100
LSXNE3030MKT3R3MN	NRH3012T 3R3MN	RoHS	3.3	$\pm$ 20%	61	0.100	1,200	1,500	1,210	1,480	100
LSXNE3030MKT4R7MN	NRH3012T 4R7MN	RoHS	4.7	$\pm$ 20%	50	0.130	1,000	1,200	1,060	1,280	100
LSXNE3030MKT6R8MN	NRH3012T 6R8MN	RoHS	6.8	$\pm$ 20%	43	0.190	850	910	890	1,000	100
LSXNE3030MKT100MN	NRH3012T 100MN	RoHS	10	$\pm$ 20%	32	0.270	730	780	720	850	100
LSXNE3030MKT150MN	NRH3012T 150MN	RoHS	15	$\pm$ 20%	26	0.450	530	650	570	680	100
LSXNE3030MKT220MN	NRH3012T 220MN	RoHS	22	$\pm$ 20%	22	0.630	500	550	500	590	100
LSXNE3030MKT330MN	NRH3012T 330MN	RoHS	33	$\pm$ 20%	18	0.960	360	430	450	510	100
LSXNE3030MKT470MN	NRH3012T 470MN	RoHS	47	$\pm$ 20%	16	1.340	280	380	380	430	100

3030MK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm$ 20%)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXPD3030MKT1R0N	NRV3012T 1R0N	RoHS	1.0	$\pm$ 30%	110	0.065	2,500	3,000	1,600	1,970	100
LSXPD3030MKT1R5N	NRV3012T 1R5N	RoHS	1.5	$\pm$ 30%	92	0.075	2,100	2,500	1,400	1,610	100
LSXPD3030MKT2R2M	NRV3012T 2R2M	RoHS	2.2	$\pm$ 20%	70	0.120	1,800	2,100	1,100	1,330	100
LSXPD3030MKT3R3M	NRV3012T 3R3M	RoHS	3.3	$\pm$ 20%	55	0.150	1,600	1,900	1,000	1,260	100
LSXPD3030MKT4R7M	NRV3012T 4R7M	RoHS	4.7	$\pm$ 20%	48	0.190	1,250	1,500	850	1,040	100
LSXPD3030MKT6R8M	NRV3012T 6R8M	RoHS	6.8	$\pm$ 20%	40	0.300	950	1,200	650	800	100
LSXPD3030MKT100M	NRV3012T 100M	RoHS	10	$\pm$ 20%	32	0.470	800	990	550	640	100

3030QK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm 20\%$)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXND3030QKT1R0NNG	NRS3015T 1R0NNGH	RoHS	1.0	$\pm 30\%$	100	0.030	2,100	2,400	2,100	2,350	100
LSXND3030QKT1R5NNG	NRS3015T 1R5NNGH	RoHS	1.5	$\pm 30\%$	87	0.038	1,800	2,100	1,820	2,100	100
LSXND3030QKT2R2MNG	NRS3015T 2R2MNGH	RoHS	2.2	$\pm 20\%$	64	0.058	1,480	1,700	1,500	1,800	100
LSXND3030QKT3R3MNG	NRS3015T 3R3MNGH	RoHS	3.3	$\pm 20\%$	49	0.078	1,210	1,400	1,230	1,500	100
LSXND3030QKT4R7MNG	NRS3015T 4R7MNGH	RoHS	4.7	$\pm 20\%$	40	0.120	1,020	1,100	1,040	1,300	100
LSXND3030QKT6R8MNG	NRS3015T 6R8MNGH	RoHS	6.8	$\pm 20\%$	36	0.160	870	920	880	1,100	100
LSXND3030QKT100MNG	NRS3015T 100MNGH	RoHS	10	$\pm 20\%$	28	0.220	700	750	710	840	100
LSXND3030QKT150MNG	NRS3015T 150MNGH	RoHS	15	$\pm 20\%$	23	0.325	580	680	680	760	100
LSXND3030QKT220MNG	NRS3015T 220MNGH	RoHS	22	$\pm 20\%$	20	0.520	470	540	470	530	100
LSXND3030QKT330MNG	NRS3015T 330MNGH	RoHS	33	$\pm 20\%$	18	0.780	400	440	440	490	100
LSXND3030QKT470MNG	NRS3015T 470MNGH	RoHS	47	$\pm 20\%$	17	1.100	325	380	350	380	100

4040KK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm$ 20 %)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXND4040KKL1R0NDG	NRS4010T 1R0NDGG	RoHS	1.0	$\pm$ 30 %	116	0.056	2,000	2,280	1,900	2,390	100
LSXND4040KKL2R2MDG	NRS4010T 2R2MDGG	RoHS	2.2	$\pm$ 20 %	73	0.085	1,200	1,610	1,500	1,800	100
LSXND4040KKL3R3MDG	NRS4010T 3R3MDGG	RoHS	3.3	$\pm$ 20 %	58	0.100	1,100	1,300	1,400	1,700	100
LSXND4040KKL4R7MDG	NRS4010T 4R7MDGG	RoHS	4.7	$\pm$ 20 %	47	0.140	950	1,100	1,200	1,450	100
LSXND4040KKL6R8MDG	NRS4010T 6R8MDGG	RoHS	6.8	$\pm$ 20 %	38	0.200	800	890	1,000	1,200	100
LSXND4040KKL100MDG	NRS4010T 100MDGG	RoHS	10	$\pm$ 20 %	31	0.300	620	760	750	860	100
LSXND4040KKL150MDG	NRS4010T 150MDGG	RoHS	15	$\pm$ 20 %	24	0.430	540	635	600	700	100
LSXND4040KKL220MDG	NRS4010T 220MDGG	RoHS	22	$\pm$ 20 %	19	0.570	450	540	500	600	100
LSXND4040KKL330MDG	NRS4010T 330MDGG	RoHS	33	$\pm$ 20 %	15	0.900	350	440	400	460	100
LSXND4040KKL470MDG	NRS4010T 470MDGG	RoHS	47	$\pm$ 20 %	13	1.250	300	350	350	370	100

4040MK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm 20\%$)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXND4040MKL1R0NDG	NRS4012T 1R0NDGG	RoHS	1.0	$\pm 30\%$	100	0.042	2,800	2,900	2,200	2,670	100
LSXND4040MKL1R5NDG	NRS4012T 1R5NDGG	RoHS	1.5	$\pm 30\%$	90	0.051	2,300	2,500	2,000	2,430	100
LSXND4040MKL2R2MDG	NRS4012T 2R2MDGJ	RoHS	2.2	$\pm 20\%$	70	0.060	1,650	1,950	1,900	2,100	100
LSXND4040MKL3R3MDG	NRS4012T 3R3MDGJ	RoHS	3.3	$\pm 20\%$	60	0.070	1,400	1,700	1,700	1,880	100
LSXND4040MKL4R7MDG	NRS4012T 4R7MDGJ	RoHS	4.7	$\pm 20\%$	45	0.095	1,200	1,320	1,500	1,570	100
LSXND4040MKL6R8MDG	NRS4012T 6R8MDGJ	RoHS	6.8	$\pm 20\%$	35	0.125	900	1,170	1,300	1,400	100
LSXND4040MKL100MDG	NRS4012T 100MDGJ	RoHS	10	$\pm 20\%$	30	0.170	800	990	1,100	1,200	100
LSXND4040MKL150MDG	NRS4012T 150MDGJ	RoHS	15	$\pm 20\%$	24	0.260	650	820	750	840	100
LSXND4040MKL220MDG	NRS4012T 220MDGJ	RoHS	22	$\pm 20\%$	18	0.400	500	620	620	650	100
LSXND4040MKL330MDG	NRS4012T 330MDGJ	RoHS	33	$\pm 20\%$	15	0.600	400	500	480	530	100
LSXND4040MKL470MDG	NRS4012T 470MDGJ	RoHS	47	$\pm 20\%$	12	0.770	350	430	420	470	100

※) The saturation current value (Idc1) is the DC current value having inductance decrease down to 30%. (at 20°C)

※) The temperature rise current value (Idc2) is the DC current value having temperature increase up to 40°C. (at 20°C)

※) The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

PART NUMBER

4040TK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] (±20%)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXND4040TKL1R0NDG	NRS4018T 1R0NDGJ	RoHS	1.0	±30%	90	0.027	4,000	4,590	3,200	3,720	100
LSXND4040TKL1R5NDG	NRS4018T 1R5NDGJ	RoHS	1.5	±30%	75	0.037	3,300	3,750	2,400	3,000	100
LSXND4040TKL2R2MDG	NRS4018T 2R2MDGJ	RoHS	2.2	±20%	60	0.042	3,000	3,110	2,200	2,590	100
LSXND4040TKL3R3MDG	NRS4018T 3R3MDGJ	RoHS	3.3	±20%	45	0.055	2,300	2,560	2,000	2,240	100
LSXND4040TKL4R7MDG	NRS4018T 4R7MDGJ	RoHS	4.7	±20%	35	0.070	2,000	2,330	1,700	1,880	100
LSXND4040TKL6R8MDG	NRS4018T 6R8MDGJ	RoHS	6.8	±20%	30	0.098	1,600	1,820	1,450	1,690	100
LSXND4040TKL100MDG	NRS4018T 100MDGJ	RoHS	10	±20%	25	0.150	1,300	1,440	1,200	1,250	100
LSXND4040TKL150MDG	NRS4018T 150MDGJ	RoHS	15	±20%	18	0.210	1,100	1,150	850	915	100
LSXND4040TKL220MDG	NRS4018T 220MDGJ	RoHS	22	±20%	15	0.290	900	920	720	810	100
LSXND4040TKL330MDG	NRS4018T 330MDGJ	RoHS	33	±20%	12	0.460	700	830	550	630	100
LSXND4040TKL470MDG	NRS4018T 470MDGJ	RoHS	47	±20%	10	0.650	600	700	440	520	100
LSXND4040TKL680MDG	NRS4018T 680MDGJ	RoHS	68	±20%	8.3	1.00	520	600	320	400	100
LSXND4040TKL101MDG	NRS4018T 101MDGJ	RoHS	100	±20%	6.5	1.45	420	490	280	330	100
LSXND4040TKL151MDG	NRS4018T 151MDGJ	RoHS	150	±20%	5.5	2.30	340	390	220	280	100
LSXND4040TKL221MDG	NRS4018T 221MDGJ	RoHS	220	±20%	4.0	3.80	275	310	170	210	100

5050KK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm 20\%$)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXND5050KKT1R0NMG	NRS5010T 1R0NMGF	RoHS	1.0	$\pm 30\%$	95	0.070	2,350	2,510	1,750	2,000	100
LSXND5050KKT2R2NMG	NRS5010T 2R2NMGF	RoHS	2.2	$\pm 30\%$	65	0.105	1,500	1,710	1,400	1,600	100
LSXND5050KKT3R3MMG	NRS5010T 3R3MMGF	RoHS	3.3	$\pm 20\%$	42	0.125	1,400	1,530	1,250	1,520	100
LSXND5050KKT4R7MMG	NRS5010T 4R7MMGF	RoHS	4.7	$\pm 20\%$	37	0.145	1,200	1,340	1,150	1,390	100
LSXND5050KKT6R8MMG	NRS5010T 6R8MMGF	RoHS	6.8	$\pm 20\%$	33	0.185	1,000	1,120	1,000	1,210	100
LSXND5050KKT100MMG	NRS5010T 100MMGF	RoHS	10	$\pm 20\%$	23	0.250	850	970	900	950	100
LSXND5050KKT150MMG	NRS5010T 150MMGF	RoHS	15	$\pm 20\%$	19	0.400	680	740	650	700	100
LSXND5050KKT220MMG	NRS5010T 220MMGF	RoHS	22	$\pm 20\%$	15	0.600	550	620	450	560	100

5050MK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm 20\%$)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXND5050MKT1R0NMG	NRSS5012T 1R0NMGF	RoHS	1.0	$\pm 30\%$	100	0.053	4,500	4,670	2,300	2,750	100
LSXND5050MKT1R5NMG	NRSS5012T 1R5NMGF	RoHS	1.5	$\pm 30\%$	86	0.070	3,800	3,970	2,200	2,470	100
LSXND5050MKT2R2MMG	NRSS5012T 2R2MMGF	RoHS	2.2	$\pm 20\%$	70	0.085	3,100	3,510	2,000	2,300	100
LSXND5050MKT3R3MMG	NRSS5012T 3R3MMGF	RoHS	3.3	$\pm 20\%$	48	0.160	2,400	2,580	1,450	1,650	100
LSXND5050MKT4R7MMG	NRSS5012T 4R7MMGF	RoHS	4.7	$\pm 20\%$	40	0.180	2,200	2,320	1,400	1,560	100
LSXND5050MKT6R8MMG	NRSS5012T 6R8MMGF	RoHS	6.8	$\pm 20\%$	36	0.260	1,700	1,950	1,100	1,260	100
LSXND5050MKT100MMG	NRSS5012T 100MMGF	RoHS	10	$\pm 20\%$	26	0.420	1,400	1,550	850	1,000	100
LSXND5050MKT150MMG	NRSS5012T 150MMGF	RoHS	15	$\pm 20\%$	22	0.670	1,200	1,240	640	740	100

5050PK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] (±20%)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXND5050PKTR47NMG	NRS5014T R47NMGG	RoHS	0.47	±30%	185	0.025	5,800	6,400	3,300	3,470	100
LSXND5050PKT1R2NMG	NRS5014T 1R2NMGG	RoHS	1.2	±30%	86	0.045	3,800	4,200	2,400	3,000	100
LSXND5050PKT2R2NMG	NRS5014T 2R2NMGG	RoHS	2.2	±30%	56	0.065	2,800	3,100	2,000	2,400	100
LSXND5050PKT3R3NMG	NRS5014T 3R3NMGG	RoHS	3.3	±30%	48	0.080	2,350	2,650	1,700	2,200	100
LSXND5050PKT4R7NMG	NRS5014T 4R7NMGG	RoHS	4.7	±30%	41	0.100	2,050	2,400	1,400	1,900	100
LSXND5050PKT6R8MMG	NRS5014T 6R8MMGG	RoHS	6.8	±20%	33	0.150	1,600	1,850	1,200	1,450	100
LSXND5050PKT100MMG	NRS5014T 100MMGG	RoHS	10	±20%	27	0.200	1,400	1,600	1,050	1,250	100
LSXND5050PKT150MMG	NRS5014T 150MMGG	RoHS	15	±20%	20	0.320	1,100	1,300	650	790	100
LSXND5050PKT220MMG	NRS5014T 220MMGG	RoHS	22	±20%	16	0.450	900	1,000	550	660	100

5050WK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] (±20%)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXND5050WKTR47NMG	NRS5020T R47NMGJ	RoHS	0.47	±30%	230	0.012	6,100	6,900	5,000	5,800	100
LSXND5050WKT1R0NMG	NRS5020T 1R0NMGJ	RoHS	1.0	±30%	81	0.021	4,000	4,500	3,600	3,710	100
LSXND5050WKT1R5NMG	NRS5020T 1R5NMGJ	RoHS	1.5	±30%	68	0.026	3,350	3,800	3,200	3,540	100
LSXND5050WKT2R2NMG	NRS5020T 2R2NMGJ	RoHS	2.2	±30%	57	0.035	2,900	3,200	2,900	3,200	100
LSXND5050WKT3R3NMG	NRS5020T 3R3NMGJ	RoHS	3.3	±30%	46	0.048	2,400	2,700	2,400	3,080	100
LSXND5050WKT4R7MMG	NRS5020T 4R7MMGJ	RoHS	4.7	±20%	37	0.060	2,000	2,270	2,000	2,370	100
LSXND5050WKT6R8MMG	NRS5020T 6R8MMGJ	RoHS	6.8	±20%	30	0.090	1,600	1,850	1,650	2,200	100
LSXND5050WKT100MMG	NRS5020T 100MMGJ	RoHS	10	±20%	24	0.120	1,300	1,480	1,450	1,850	100
LSXND5050WKT150MMG	NRS5020T 150MMGJ	RoHS	15	±20%	20	0.165	1,100	1,260	1,200	1,480	100
LSXND5050WKT220MMG	NRS5020T 220MMGJ	RoHS	22	±20%	17	0.260	900	1,100	1,000	1,230	100
LSXND5050WKT470MMG	NRS5020T 470MMGJ	RoHS	47	±20%	12	0.435	630	750	560	610	100
LSXND5050WKT101MMG	NRS5020T 101MMGJ	RoHS	100	±20%	7	0.850	420	510	400	450	100

※) The saturation current value (Idc1) is the DC current value having inductance decrease down to 30%. (at 20°C)

※) The temperature rise current value (Idc2) is the DC current value having temperature increase up to 40°C. (at 20°C)

※) The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

PART NUMBER

5050WE/5050WD type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm$ 20%)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXND5050WEL1R0NMGJ	NRS5024T 1R0NMGJ	RoHS	1.0	$\pm$ 30%	85	0.016	5,800	6,800	4,400	4,900	100
LSXND5050WEL1R5NMGJ	NRS5024T 1R5NMGJ	RoHS	1.5	$\pm$ 30%	67	0.022	5,200	5,800	3,600	4,300	100
LSXND5050WDL2R2NMGJ	NRS5024T 2R2NMGJ	RoHS	2.2	$\pm$ 30%	51	0.029	4,100	4,800	3,100	3,600	100
LSXND5050WDL3R3NMGJ	NRS5024T 3R3NMGJ	RoHS	3.3	$\pm$ 30%	41	0.043	3,100	3,700	2,400	2,750	100
LSXND5050WDL4R7MMGJ	NRS5024T 4R7MMGJ	RoHS	4.7	$\pm$ 20%	37	0.055	2,700	3,400	2,000	2,400	100
LSXND5050WDL6R8MMGJ	NRS5024T 6R8MMGJ	RoHS	6.8	$\pm$ 20%	28	0.080	2,200	2,750	1,600	1,800	100
LSXND5050WDL100MMGJ	NRS5024T 100MMGJ	RoHS	10	$\pm$ 20%	21	0.125	1,700	2,100	1,200	1,460	100
LSXND5050WDL150MMGJ	NRS5024T 150MMGJ	RoHS	15	$\pm$ 20%	18	0.170	1,400	1,750	1,000	1,250	100
LSXND5050WDL220MMGJ	NRS5024T 220MMGJ	RoHS	22	$\pm$ 20%	15	0.230	1,200	1,450	820	900	100
LSXND5050WDL330MMGJ	NRS5024T 330MMGJ	RoHS	33	$\pm$ 20%	11	0.370	1,000	1,200	630	700	100

5050XA/5050XK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm$ 30%)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXND5050XATR47NMGJ	NRS5030T R47NMGJ	RoHS	0.47	$\pm$ 30%	185	0.010	9,000	9,400	5,000	5,900	100
LSXND5050XAT1R0NMGJ	NRS5030T 1R0NMGJ	RoHS	1.0	$\pm$ 30%	110	0.015	6,600	7,400	4,000	4,900	100
LSXND5050XAT2R2NMGJ	NRS5030T 2R2NMGJ	RoHS	2.2	$\pm$ 30%	46	0.023	4,200	5,000	3,500	4,100	100
LSXND5050XAT3R3MMGJ	NRS5030T 3R3MMGJ	RoHS	3.3	$\pm$ 20%	36	0.030	3,600	3,900	3,000	3,600	100
LSXND5050XAT4R7MMGJ	NRS5030T 4R7MMGJ	RoHS	4.7	$\pm$ 20%	31	0.035	3,100	3,500	2,600	3,000	100
LSXND5050XAT6R8MMGJ	NRS5030T 6R8MMGJ	RoHS	6.8	$\pm$ 20%	22	0.052	2,500	2,800	2,300	2,500	100
LSXND5050XAT100MMGJ	NRS5030T 100MMGJ	RoHS	10	$\pm$ 20%	20	0.070	2,100	2,300	1,700	2,000	100
LSXND5050XKT150MMGJ	NRS5030T 150MMGJ	RoHS	15	$\pm$ 20%	14	0.125	1,600	1,800	1,400	1,550	100
LSXND5050XKT220MMGJ	NRS5030T 220MMGJ	RoHS	22	$\pm$ 20%	13	0.180	1,400	1,500	1,050	1,200	100
LSXND5050XKT330MMGJ	NRS5030T 330MMGJ	RoHS	33	$\pm$ 20%	10	0.225	1,150	1,250	800	950	100
LSXND5050XKT470MMGJ	NRS5030T 470MMGJ	RoHS	47	$\pm$ 20%	9	0.325	950	1,050	700	800	100

5050YA/5050YK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm$ 30%)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXND5050YAL1R5NMGJ	NRS5040T 1R5NMGJ	RoHS	1.5	$\pm$ 30%	60	0.017	6,400	6,530	4,500	4,730	100
LSXND5050YAL2R2NMGJ	NRS5040T 2R2NMGJ	RoHS	2.2	$\pm$ 30%	42	0.022	5,000	5,250	3,700	4,080	100
LSXND5050YAL3R3NMGJ	NRS5040T 3R3NMGJ	RoHS	3.3	$\pm$ 30%	32	0.027	4,000	4,280	3,300	3,770	100
LSXND5050YAL4R7NMGJ	NRS5040T 4R7NMGK	RoHS	4.7	$\pm$ 30%	28	0.029	3,300	3,470	3,100	3,500	100
LSXND5050YAL6R8MMGJ	NRS5040T 6R8MMGJ	RoHS	6.8	$\pm$ 20%	21	0.049	2,800	2,910	2,400	2,470	100
LSXND5050YAL100MMGJ	NRS5040T 100MMGJ	RoHS	10	$\pm$ 20%	18	0.056	2,300	2,470	2,100	2,210	100
LSXND5050YKL150MMGJ	NRS5040T 150MMGJ	RoHS	15	$\pm$ 20%	13	0.080	2,000	2,150	1,800	1,920	100
LSXND5050YKL220MMGJ	NRS5040T 220MMGK	RoHS	22	$\pm$ 20%	9	0.126	1,500	1,580	1,400	1,470	100
LSXND5050YKL330MMGJ	NRS5040T 330MMGJ	RoHS	33	$\pm$ 20%	7	0.180	1,300	1,390	1,200	1,270	100
LSXND5050YKL470MMGJ	NRS5040T 470MMGJ	RoHS	47	$\pm$ 20%	6	0.310	1,100	1,150	900	950	100

6060KK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm$ 20%)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXND6060KKT1R5MMG	NRS6010T 1R5MMGF	RoHS	1.5	$\pm$ 20%	77	0.090	2,400	2,650	1,900	2,150	100
LSXND6060KKT2R2MMG	NRS6010T 2R2MMGF	RoHS	2.2	$\pm$ 20%	56	0.110	1,900	2,120	1,700	1,950	100
LSXND6060KKT3R3MMG	NRS6010T 3R3MMGF	RoHS	3.3	$\pm$ 20%	42	0.135	1,600	1,750	1,500	1,750	100
LSXND6060KKT4R7MMG	NRS6010T 4R7MMGF	RoHS	4.7	$\pm$ 20%	36	0.165	1,300	1,470	1,400	1,600	100
LSXND6060KKT6R8MMG	NRS6010T 6R8MMGF	RoHS	6.8	$\pm$ 20%	30	0.220	1,200	1,300	1,200	1,320	100
LSXND6060KKT100MMG	NRS6010T 100MMGF	RoHS	10	$\pm$ 20%	25	0.270	1,000	1,100	1,100	1,200	100
LSXND6060KKT220MMG	NRS6010T 220MMGF	RoHS	22	$\pm$ 20%	12	0.580	650	720	700	740	100

6060MK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm$ 20%)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXND6060MKT1R0NMG	NRS6012T 1R0NMGJ	RoHS	1.0	$\pm$ 30%	95	0.050	3,000	3,900	2,400	2,700	100
LSXND6060MKT1R5NMG	NRS6012T 1R5NMGG	RoHS	1.5	$\pm$ 30%	69	0.067	2,600	3,500	2,100	2,300	100
LSXND6060MKT2R5NMG	NRS6012T 2R5NMGG	RoHS	2.5	$\pm$ 30%	45	0.090	2,100	2,900	1,800	2,100	100
LSXND6060MKT3R3NMG	NRS6012T 3R3NMGG	RoHS	3.3	$\pm$ 30%	42	0.105	1,800	2,500	1,700	1,950	100
LSXND6060MKT4R7MMG	NRS6012T 4R7MMGG	RoHS	4.7	$\pm$ 20%	36	0.125	1,600	2,100	1,550	1,750	100
LSXND6060MKT5R3MMG	NRS6012T 5R3MMGJ	RoHS	5.3	$\pm$ 20%	34	0.125	1,500	1,750	1,550	1,750	100
LSXND6060MKT6R8MMG	NRS6012T 6R8MMGJ	RoHS	6.8	$\pm$ 20%	30	0.165	1,300	1,600	1,350	1,600	100
LSXND6060MKT100MMG	NRS6012T 100MMGJ	RoHS	10	$\pm$ 20%	22	0.200	1,000	1,400	1,200	1,380	100
LSXND6060MKT150MMG	NRS6012T 150MMGJ	RoHS	15	$\pm$ 20%	18	0.295	800	1,100	800	950	100
LSXND6060MKT220MMG	NRS6012T 220MMGJ	RoHS	22	$\pm$ 20%	12	0.465	760	900	650	750	100
LSXND6060MKT330MMG	NRS6012T 330MMGJ	RoHS	33	$\pm$ 20%	8	0.580	590	800	550	670	100
LSXND6060MKT470MMG	NRS6012T 470MMGJ	RoHS	47	$\pm$ 20%	6	0.965	520	630	460	540	100
LSXND6060MKT680MMG	NRS6012T 680MMGJ	RoHS	68	$\pm$ 20%	3	1.16	440	560	410	450	100
LSXND6060MKT101MMG	NRS6012T 101MMGJ	RoHS	100	$\pm$ 20%	1	1.67	350	490	320	380	100

※) The saturation current value (Idc1) is the DC current value having inductance decrease down to 30%. (at 20°C)

※) The temperature rise current value (Idc2) is the DC current value having temperature increase up to 40°C. (at 20°C)

※) The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

PART NUMBER

6060PK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm$ 20 %)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXND6060PKT1R2NMGG	NRS6014T 1R2NMGG	RoHS	1.2	$\pm$ 30 %	77	0.042	4,000	4,400	2,750	3,200	100
LSXND6060PKT2R2NMGG	NRS6014T 2R2NMGG	RoHS	2.2	$\pm$ 30 %	61	0.055	3,000	3,500	2,300	2,600	100
LSXND6060PKT3R3NMGG	NRS6014T 3R3NMGG	RoHS	3.3	$\pm$ 30 %	41	0.075	2,500	2,600	2,000	2,200	100
LSXND6060PKT4R7MMGG	NRS6014T 4R7MMGG	RoHS	4.7	$\pm$ 20 %	36	0.090	2,000	2,170	1,900	1,950	100
LSXND6060PKT6R8MMGG	NRS6014T 6R8MMGG	RoHS	6.8	$\pm$ 20 %	30	0.115	1,700	1,880	1,650	1,700	100
LSXND6060PKT100MMGG	NRS6014T 100MMGG	RoHS	10	$\pm$ 20 %	24	0.140	1,400	1,540	1,400	1,500	100
LSXND6060PKT150MMGG	NRS6014T 150MMGG	RoHS	15	$\pm$ 20 %	20	0.210	1,150	1,300	1,200	1,280	100
LSXND6060PKT220MMGG	NRS6014T 220MMGG	RoHS	22	$\pm$ 20 %	16	0.300	950	1,100	1,000	1,090	100

6060WK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm$ 20%)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXND6060WKL0R8NMGG	NRS6020T 0R8NMGG	RoHS	0.8	$\pm$ 30%	110	0.020	6,400	7,400	4,100	4,800	100
LSXND6060WKL1R5NMGG	NRS6020T 1R5NMGG	RoHS	1.5	$\pm$ 30%	93	0.026	4,300	5,300	3,600	4,200	100
LSXND6060WKL2R2NMGG	NRS6020T 2R2NMGG	RoHS	2.2	$\pm$ 30%	73	0.034	3,200	4,000	2,900	3,400	100
LSXND6060WKL3R3NMGG	NRS6020T 3R3NMGG	RoHS	3.3	$\pm$ 30%	55	0.040	2,800	3,400	2,750	3,100	100
LSXND6060WKL4R7NMGG	NRS6020T 4R7NMGG	RoHS	4.7	$\pm$ 30%	43	0.058	2,400	2,800	2,150	2,500	100
LSXND6060WKL6R8NMGG	NRS6020T 6R8NMGG	RoHS	6.8	$\pm$ 30%	30	0.085	2,000	2,600	1,800	2,100	100
LSXND6060WKL100MMGG	NRS6020T 100MMGG	RoHS	10	$\pm$ 20%	18	0.125	1,900	2,240	1,500	1,700	100
LSXND6060WKL220MMGG	NRS6020T 220MMGG	RoHS	22	$\pm$ 20%	11	0.290	1,250	1,470	950	1,100	100

6060WH type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm$ 30 %)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXND6060WHL0R9NMGJ	NRS6028T 0R9NMGJ	RoHS	0.9	$\pm$ 30%	90	0.013	6,700	7,900	4,600	5,200	100
LSXND6060WHL1R5NMGJ	NRS6028T 1R5NMGJ	RoHS	1.5	$\pm$ 30%	78	0.016	5,100	6,100	4,200	4,700	100
LSXND6060WHL2R2NMGJ	NRS6028T 2R2NMGJ	RoHS	2.2	$\pm$ 30%	68	0.020	4,200	5,100	3,700	4,200	100
LSXND6060WHL3R0NMGJ	NRS6028T 3R0NMGJ	RoHS	3.0	$\pm$ 30%	55	0.023	3,600	4,300	3,400	3,900	100
LSXND6060WHL4R7MMGJ	NRS6028T 4R7MMGJ	RoHS	4.7	$\pm$ 30%	39	0.031	2,700	3,300	3,000	3,400	100
LSXND6060WHL6R8MMGJ	NRS6028T 6R8MMGJ	RoHS	6.8	$\pm$ 20%	25	0.043	2,600	3,000	2,500	2,900	100
LSXND6060WHL100MMGJ	NRS6028T 100MMGJ	RoHS	10	$\pm$ 20%	20	0.065	1,900	2,200	1,900	2,200	100
LSXND6060WHL150MMGJ	NRS6028T 150MMGJ	RoHS	15	$\pm$ 20%	17	0.095	1,600	1,900	1,800	1,900	100
LSXND6060WHL220MMGJ	NRS6028T 220MMGJ	RoHS	22	$\pm$ 20%	12	0.135	1,300	1,600	1,400	1,600	100
LSXND6060WHL330MMGJ	NRS6028T 330MMGJ	RoHS	33	$\pm$ 20%	10	0.220	1,100	1,300	1,100	1,250	100
LSXND6060WHL470MMGJ	NRS6028T 470MMGJ	RoHS	47	$\pm$ 20%	8	0.300	1,000	1,150	920	1,050	100
LSXND6060WHL680MMGJ	NRS6028T 680MMGJ	RoHS	68	$\pm$ 20%	5	0.420	800	950	770	880	100
LSXND6060WHL101MMGJ	NRS6028T 101MMGJ	RoHS	100	$\pm$ 20%	3	0.600	650	750	660	750	100

6060YE type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm$ 30%)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXND6060YEL1R0NMGG	NRS6045T 1R0NMGG	RoHS	1.0	$\pm$ 30%	110	0.014	9,800	11,000	4,500	5,200	100
LSXND6060YEL1R3NMGG	NRS6045T 1R3NMGG	RoHS	1.3	$\pm$ 30%	95	0.016	8,200	9,300	4,200	4,800	100
LSXND6060YEL1R5NMGG	NRS6045T 1R5NMGG	RoHS	1.5	$\pm$ 30%	95	0.016	8,200	9,300	4,200	4,800	100
LSXND6060YEL1R8NMGG	NRS6045T 1R8NMGG	RoHS	1.8	$\pm$ 30%	80	0.019	7,200	8,100	3,900	4,400	100
LSXND6060YEL2R2NMGG	NRS6045T 2R2NMGG	RoHS	2.2	$\pm$ 30%	60	0.022	6,400	7,300	3,600	4,100	100
LSXND6060YEL2R3NMGG	NRS6045T 2R3NMGG	RoHS	2.3	$\pm$ 30%	60	0.022	6,400	7,300	3,600	4,100	100
LSXND6060YEL3R0NMGG	NRS6045T 3R0NMGG	RoHS	3.0	$\pm$ 30%	45	0.024	5,600	6,500	3,300	4,000	100
LSXND6060YEL3R3NMGG	NRS6045T 3R3NMGG	RoHS	3.3	$\pm$ 30%	45	0.024	5,600	6,500	3,300	4,000	100
LSXND6060YEL4R5MMGG	NRS6045T 4R5MMGG	RoHS	4.5	$\pm$ 20%	25	0.030	4,400	5,400	3,100	3,600	100
LSXND6060YEL4R7NMGG	NRS6045T 4R7NMGG	RoHS	4.7	$\pm$ 30%	25	0.030	4,400	5,400	3,100	3,600	100
LSXND6060YEL6R3MMGG	NRS6045T 6R3MMGG	RoHS	6.3	$\pm$ 20%	15	0.036	3,600	4,300	3,000	3,300	100
LSXND6060YEL6R8MMGG	NRS6045T 6R8MMGG	RoHS	6.8	$\pm$ 20%	15	0.036	3,600	4,300	3,000	3,300	100
LSXND6060YEL100MMGG	NRS6045T 100MMGG	RoHS	10	$\pm$ 20%	12	0.046	3,100	3,600	2,400	2,800	100
LSXND6060YEL150MMGG	NRS6045T 150MMGG	RoHS	15	$\pm$ 20%	10	0.070	2,500	3,000	1,900	2,300	100
LSXND6060YEL220MMGG	NRS6045T 220MMGG	RoHS	22	$\pm$ 20%	7	0.107	2,000	2,400	1,600	1,900	100
LSXND6060YEL330MMGG	NRS6045T 330MMGG	RoHS	33	$\pm$ 20%	6	0.141	1,650	2,000	1,400	1,600	100
LSXND6060YEL470MMGG	NRS6045T 470MMGG	RoHS	47	$\pm$ 20%	5	0.211	1,400	1,600	1,150	1,350	100
LSXND6060YEL680MMGG	NRS6045T 680MMGG	RoHS	68	$\pm$ 20%	4	0.304	1,100	1,300	950	1,100	100
LSXND6060YEL101MMGG	NRS6045T 101MMGG	RoHS	100	$\pm$ 20%	3	0.466	900	1,200	750	900	100

※) The saturation current value (Idc1) is the DC current value having inductance decrease down to 30%. (at 20°C)
※) The temperature rise current value (Idc2) is the DC current value having temperature increase up to 40°C. (at 20°C)
※) The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

PART NUMBER

8080XK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm$ 30%)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXNH8080XKL1R0NJG	NRS8030T 1R0NJGJ	RoHS	1.0	$\pm$ 30%	120	0.009	7,800	9,300	6,200	7,600	100
LSXNH8080XKL1R5NJG	NRS8030T 1R5NJGJ	RoHS	1.5	$\pm$ 30%	80	0.012	6,200	7,800	5,300	6,400	100
LSXNH8080XKL2R2NJG	NRS8030T 2R2NJGJ	RoHS	2.2	$\pm$ 30%	60	0.015	4,900	6,100	4,800	5,600	100
LSXNH8080XKL3R3MJG	NRS8030T 3R3MJGJ	RoHS	3.3	$\pm$ 20%	50	0.019	4,200	5,200	4,300	5,100	100
LSXNH8080XKL4R7MJG	NRS8030T 4R7MJGJ	RoHS	4.7	$\pm$ 20%	40	0.022	3,600	4,400	4,000	4,700	100
LSXNH8080XKL6R8MJG	NRS8030T 6R8MJGJ	RoHS	6.8	$\pm$ 20%	32	0.029	3,000	3,600	3,400	4,000	100
LSXNH8080XKL100MJG	NRS8030T 100MJGJ	RoHS	10	$\pm$ 20%	27	0.033	2,400	2,900	3,000	3,600	100
LSXNH8080XKL150MJG	NRS8030T 150MJGJ	RoHS	15	$\pm$ 20%	20	0.060	2,000	2,300	2,200	2,600	100
LSXNH8080XKL220MJG	NRS8030T 220MJGJ	RoHS	22	$\pm$ 20%	16	0.070	1,750	2,200	1,900	2,300	100
LSXNH8080XKL330MJG	NRS8030T 330MJGJ	RoHS	33	$\pm$ 20%	13	0.120	1,300	1,600	1,500	1,800	100
LSXNH8080XKL470MJG	NRS8030T 470MJGJ	RoHS	47	$\pm$ 20%	11	0.170	1,100	1,400	1,300	1,500	100

8080YB/8080YK type

New part number	Old part number (for reference)	EHS	Nominal inductance [μ H]	Inductance tolerance	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] ($\pm$ 30%)	Rated current ※) [mA]				Measuring frequency [kHz]
							Saturation current: Idc1		Temperature rise current: Idc2		
							Max.	Typ.	Max.	Typ.	
LSXNH8080YBL0R9NJG	NRS8040T 0R9NJGJ	RoHS	0.9	$\pm$ 30%	85	0.006	13,000	14,000	7,800	9,600	100
LSXNH8080YBL1R0NJG	NRS8040T 1R0NJGJ	RoHS	1	$\pm$ 30%	85	0.006	13,000	14,000	7,800	9,600	100
LSXNH8080YBL1R4NJG	NRS8040T 1R4NJGJ	RoHS	1.4	$\pm$ 30%	63	0.007	10,000	11,000	7,000	8,400	100
LSXNH8080YBL1R5NJG	NRS8040T 1R5NJGJ	RoHS	1.5	$\pm$ 30%	63	0.007	10,000	11,000	7,000	8,400	100
LSXNH8080YBL2R0NJG	NRS8040T 2R0NJGJ	RoHS	2.0	$\pm$ 30%	50	0.009	8,100	9,200	6,300	7,600	100
LSXNH8080YBL2R2NJG	NRS8040T 2R2NJGJ	RoHS	2.2	$\pm$ 30%	50	0.009	8,100	9,200	6,300	7,600	100
LSXNH8080YBL3R3NJG	NRS8040T 3R3NJGJ	RoHS	3.3	$\pm$ 30%	34	0.015	6,400	6,800	4,900	6,000	100
LSXNH8080YBL3R6NJG	NRS8040T 3R6NJGJ	RoHS	3.6	$\pm$ 30%	34	0.015	6,400	6,800	4,900	6,000	100
LSXNH8080YBL4R7NJG	NRS8040T 4R7NJGJ	RoHS	4.7	$\pm$ 30%	30	0.018	5,400	5,900	4,100	5,200	100
LSXNH8080YBL6R8NJG	NRS8040T 6R8NJGJ	RoHS	6.8	$\pm$ 30%	24	0.025	4,400	4,800	3,700	4,400	100
LSXNH8080YKL100MJG	NRS8040T 100MJGJ	RoHS	10	$\pm$ 20%	22	0.034	3,800	4,100	3,100	3,500	100
LSXNH8080YKL150MJG	NRS8040T 150MJGJ	RoHS	15	$\pm$ 20%	16	0.050	2,900	3,200	2,400	3,000	100
LSXNH8080YKL220MJG	NRS8040T 220MJGJ	RoHS	22	$\pm$ 20%	13	0.066	2,400	2,700	2,200	2,600	100
LSXNH8080YKL330MJG	NRS8040T 330MJGK	RoHS	33	$\pm$ 20%	12	0.100	2,000	2,300	1,700	1,900	100
LSXNH8080YKL470MJG	NRS8040T 470MJGK	RoHS	47	$\pm$ 20%	8	0.140	1,500	1,800	1,500	1,600	100
LSXNH8080YKL680MJG	NRS8040T 680MJGK	RoHS	68	$\pm$ 20%	7	0.210	1,300	1,500	1,200	1,300	100
LSXNH8080YKL101MJG	NRS8040T 101MJGK	RoHS	100	$\pm$ 20%	6	0.280	1,100	1,300	1,000	1,100	100
LSXNH8080YKL151MJG	NRS8040T 151MJGK	RoHS	150	$\pm$ 20%	5	0.420	900	980	800	890	100
LSXNH8080YKL221MJG	NRS8040T 221MJGK	RoHS	220	$\pm$ 20%	4	0.620	700	800	670	740	100

※) The saturation current value (Idc1) is the DC current value having inductance decrease down to 30%. (at 20°C)
※) The temperature rise current value (Idc2) is the DC current value having temperature increase up to 40°C. (at 20°C)
※) The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

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