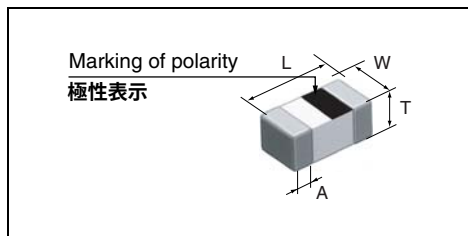


LLS0603-FH

Inductance Range: 1.0~10nH (E-24 Series), 10~100nH (E-12 Series),
Temperature Coefficient of L: +250ppm/°C (for reference only)



Length L (mm)	Width W (mm)	Thickness T (mm)	Electrode width A (mm)
0.6 ± 0.03	0.3 ± 0.03	0.3 ± 0.03	0.1 ~ 0.2

- **Marking of polarity:** Marking is on the upper Surface of the unit.
- **極性表示:** 磁束方向を示します。この表示が、常に上を向くようにテーピングされています。

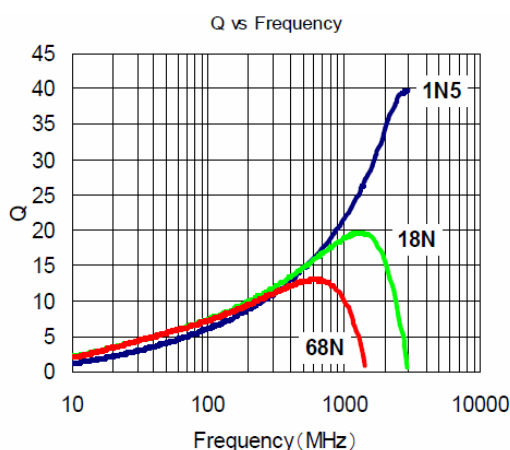
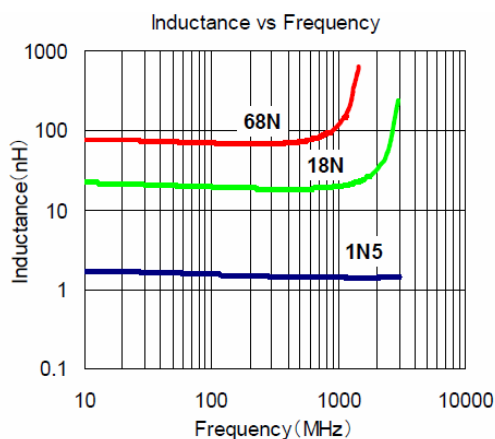
FEATURES 特長

- Compact and light weight: 0.6×0.3×0.3mm, 0.4mg or less
- Tight tolerance inductance value
(1~3.9nH±0.1, 0.2, 0.3nH / 4.3~6.2nH±0.2, 0.3nH / 6.8~27nH±3%, 5% / 33~100nH ±5%)
- Expanding Inductance value range (1~100nH)
- RoHS compliant
- 小型・軽量 : 0.6×0.3×0.3mm、重さ : 0.4mg以下
- インダクタンスの狭公差化
- インダクタンス値の範囲の拡大(1~100nH)
- RoHS指令対応

ELECTRICAL CHARACTERISTICS 電気的特性

- | | | | |
|---|---|---------------------|---|
| • Inductance Range | 1.0~10nH (E-24 Series)
10~100nH (E-12 Series) | • インダクタンス範囲 | 1.0~10nH (E-24 Series)
10~100nH (E-12 Series) |
| • Inductance Tolerance | B ; ±0.1nH (1.0~3.9nH)
C ; ±0.2nH (1.0~6.2nH)
S ; ±0.3nH (1.0~6.2nH)
T ; ±3% (6.8~27nH)
J ; ±5% (6.8~100nH) | • インダクタンス許容差 | B ; ±0.1nH (1.0~3.9nH)
C ; ±0.2nH (1.0~6.2nH)
S ; ±0.3nH (1.0~6.2nH)
T ; ±3% (6.8~27nH)
J ; ±5% (6.8~100nH) |
| • Q (Typical) | 10 (1.0~2.0nH at 500MHz)
11~12 (2.2~27nH at 500MHz) | • Q (Typical) | 10 (1.0~2.0nH at 500MHz)
11~12 (2.2~27nH at 500MHz) |
| • S.R.F. (for reference only) | 1.0~13GHz or more | • 自己共振周波数 (参考値) | 1.0~13GHz以上 |
| • Rated Current | 50~300mA | • 許容電流値 | 50~300mA |
| • Inductance Temperature Coefficient (for reference only) | +250ppm/°C | • インダクタンス温度係数 (参考値) | +250ppm/°C |
| • Operating Temperature Range | -55°C~+125°C | • 使用温度範囲 | -55°C~+125°C |
| • Storage Temperature Range | -55°C~+125°C | • 保存温度範囲 | -55°C~+125°C |

EXAMPLES OF CHARACTERISTICS 代表特性例



TOKO STANDARD PART NUMBERS 東光 標準品一覧

LLS0603-FH Series (Quantity/reel; 15,000 PCS)

TOKO Part number	Inductance & Tolerance 500MHz	Q Min. 500 MHz	Q Typical							S.R.F. (MHz) Min.	R _{DC} (Ω) Max.	R _{DC} (Ω) Typ.	I _{DC} (mA) Max.
			100 MHz	300 MHz	500 MHz	800 MHz	1000 MHz	1800 MHz	2400 MHz				
LLS0603-FH1N0C	1.0 / B, C, S	10.0	6.0	11.0	14.0	19.0	22.0	31.0	38.0	13000	0.14	0.08	300
LLS0603-FH1N1C	1.1 / B, C, S	10.0	6.0	11.0	14.0	19.0	22.0	31.0	38.0	13000	0.14	0.10	300
LLS0603-FH1N2C	1.2 / B, C, S	10.0	6.0	11.0	14.0	19.0	22.0	31.0	38.0	13000	0.14	0.10	300
LLS0603-FH1N3C	1.3 / B, C, S	10.0	6.0	11.0	14.0	19.0	22.0	31.0	38.0	13000	0.14	0.10	300
LLS0603-FH1N5C	1.5 / B, C, S	10.0	6.0	11.0	14.0	18.0	22.0	31.0	38.0	11000	0.16	0.10	300
LLS0603-FH1N6C	1.6 / B, C, S	10.0	6.0	11.0	14.0	19.0	22.0	31.0	37.0	8500	0.16	0.10	300
LLS0603-FH1N8C	1.8 / B, C, S	10.0	6.0	11.0	15.0	19.0	22.0	31.0	37.0	8500	0.18	0.10	300
LLS0603-FH2N0C	2.0 / B, C, S	10.0	6.0	11.0	15.0	19.0	22.0	31.0	37.0	8500	0.18	0.10	250
LLS0603-FH2N2C	2.2 / B, C, S	11.0	6.0	11.0	15.0	19.0	22.0	31.0	37.0	8500	0.20	0.15	250
LLS0603-FH2N4C	2.4 / B, C, S	11.0	7.0	12.0	15.0	20.0	23.0	32.0	37.0	7000	0.20	0.15	250
LLS0603-FH2N7C	2.7 / B, C, S	11.0	7.0	12.0	15.0	20.0	23.0	32.0	38.0	6000	0.20	0.15	250
LLS0603-FH3N0C	3.0 / B, C, S	11.0	7.0	12.0	16.0	20.0	23.0	32.0	38.0	5000	0.25	0.15	250
LLS0603-FH3N3C	3.3 / B, C, S	11.0	7.0	12.0	16.0	20.0	23.0	32.0	38.0	5000	0.25	0.15	250
LLS0603-FH3N6C	3.6 / B, C, S	11.0	7.0	12.0	16.0	20.0	23.0	32.0	38.0	5000	0.28	0.15	250
LLS0603-FH3N9C	3.9 / B, C, S	11.0	7.0	12.0	16.0	20.0	23.0	32.0	38.0	5000	0.28	0.20	250
LLS0603-FH4N3C	4.3 / C, S	11.0	7.0	12.0	16.0	20.0	23.0	32.0	37.0	4000	0.30	0.20	250
LLS0603-FH4N7C	4.7 / C, S	11.0	7.0	12.0	16.0	20.0	23.0	32.0	36.0	4000	0.30	0.20	250
LLS0603-FH5N1C	5.1 / C, S	11.0	7.0	12.0	16.0	20.0	23.0	32.0	35.0	4000	0.35	0.25	220
LLS0603-FH5N6C	5.6 / C, S	11.0	7.0	12.0	16.0	20.0	22.0	31.0	34.0	4000	0.35	0.25	220
LLS0603-FH6N2C	6.2 / C, S	12.0	7.0	12.0	16.0	20.0	22.0	31.0	34.0	3500	0.35	0.25	220
LLS0603-FH6N8J	6.8nH / T, J	12.0	7.0	12.0	16.0	20.0	22.0	30.0	33.0	3500	0.40	0.30	220
LLS0603-FH7N5J	7.5nH / T, J	12.0	8.0	12.0	16.0	20.0	22.0	30.0	32.0	3000	0.50	0.30	220
LLS0603-FH8N2J	8.2nH / T, J	12.0	8.0	12.0	16.0	20.0	22.0	29.0	30.0	3000	0.60	0.30	220
LLS0603-FH9N1J	9.1nH / T, J	12.0	8.0	12.0	16.0	20.0	23.0	29.0	28.0	2500	0.65	0.35	220
LLS0603-FH10NJ	10nH / T, J	12.0	8.0	12.0	16.0	20.0	23.0	28.0	27.0	2500	0.70	0.40	220
LLS0603-FH12NJ	12nH / T, J	11.0	8.0	13.0	16.0	21.0	23.0	27.0	25.0	2500	0.70	0.40	180
LLS0603-FH15NJ	15nH / T, J	11.0	8.0	13.0	16.0	20.0	22.0	24.0	18.0	2000	0.80	0.45	180
LLS0603-FH18NJ	18nH / T, J	11.0	8.0	13.0	16.0	19.0	21.0	21.0	13.0	2000	0.85	0.50	150
LLS0603-FH22NJ	22nH / T, J	11.0	8.0	14.0	17.0	20.0	22.0	22.0	-	2000	1.70	1.30	100
LLS0603-FH27NJ	27nH / T, J	11.0	8.0	14.0	17.0	20.0	21.0	-	-	1700	1.80	1.40	50
LLS0603-FH33NJ	33nH / J	9.0	8.0	14.0	17.0	19.0	20.0	-	-	1400	2.00	1.55	50
LLS0603-FH39NJ	39nH / J	9.0	8.0	11.0	13.0	14.0	14.0	-	-	1300	2.20	1.55	50
LLS0603-FH47NJ	47nH / J	9.0	8.0	11.0	13.0	14.0	13.0	-	-	1100	2.30	1.60	50
LLS0603-FH56NJ	56nH / J	9.0	8.0	11.0	13.0	13.0	12.0	-	-	1000	2.70	1.85	50
LLS0603-FH68NJ	68nH / J	9.0	8.0	11.0	13.0	13.0	10.0	-	-	1000	3.20	2.15	50
LLS0603-FH82NJ	82nH / J	9.0	8.0	11.0	13.0	11.0	8.0	-	-	1000	3.70	2.45	50
LLS0603-FHR10J	100nH / J	9.0	8.0	11.0	12.0	9.0	5.0	-	-	900	4.20	2.80	50

Tolerance part number : B;±0.1nH(1.0~3.9nH), C;±0.2nH, S;±0.3nH(1.0~6.2nH)
T;±3%(6.8~27nH), J;±5% (6.8~100nH)

●Test Equipment & note

(測定器／注意事項)

- L, Q : RF Impedance Analyzer 4291A/B (Agilent Technologies), Test Fixture 16196C (Agilent Technologies)
- Q at 2400MHz : RF Impedance Analyzer E4991A (Agilent Technologies), Test Fixture 16196C (Agilent Technologies)
- S.R.F.／自己共振周波数 : Network Analyzer 8719D,8720D (Agilent Technologies)
- R_{DC}／直流抵抗 : Milliohmmeter 4338A/B (Agilent Technologies)
- Operating temperature range／使用温度範囲 : -55°C~+125°C
- Storage temperature range／保存温度範囲 : -55°C~+125°C