

ELECTRICAL CHARACTERISTICS LS0603

PART NO.	INDUCTANCE (nH)	TOLERANCE (±%)	Q TYPICAL	TEST FREQUENCY (MHz)	SRF (MHz) Min.	DC RESISTANCE (Ω) Max.	IDC (mA) Max.	COLOR CODING
LS0603-47N□-N	47	5 / 10	17	7.90	1,700	0.075	1,500	Black
LS0603-72N□-N	72	5 / 10	17	7.90	1,700	0.12	1,500	Brown
LS0603-R10□-N	100	5 / 10	17	7.90	1,650	0.13	1,500	Red
LS0603-R12□-N	120	5 / 10	17	7.90	1,350	0.15	1,500	Orange
LS0603-R15□-N	150	5 / 10	17	7.90	1,350	0.15	1,450	Yellow
LS0603-R18□-N	180	5 / 10	17	7.90	1,150	0.15	1,400	Green
LS0603-R22□-N	220	5 / 10	17	7.90	1,050	0.16	1,350	Blue
LS0603-R24□-N	240	5 / 10	17	7.90	1,050	0.19	1,300	Violet
LS0603-R27□-N	270	5 / 10	17	7.90	1,050	0.30	1,050	Gray
LS0603-R33□-N	330	5 / 10	17	7.90	850	0.46	1,200	White
LS0603-R39□-N	390	5 / 10	17	7.90	810	0.51	1,200	Black
LS0603-R47□-N	470	5 / 10	17	7.90	720	0.62	1,050	Brown
LS0603-R56□-N	560	5 / 10	17	7.90	600	0.44	850	Red
LS0603-R68□-N	680	5 / 10	17	7.90	600	0.52	850	Orange
LS0603-R78□-N	780	5 / 10	17	7.90	460	0.83	850	Yellow
LS0603-R82□-N	820	5 / 10	17	7.90	480	0.69	750	Green
LS0603-1R0□-N	1,000	5 / 10	18	7.90	310	0.81	600	Blue
LS0603-1R2□-N	1,200	5 / 10	17	7.90	270	0.87	550	Violet
LS0603-1R5□-N	1,500	5 / 10	17	7.90	270	1.06	540	Gray
LS0603-1R8□-N	1,800	5 / 10	17	7.90	230	1.10	520	White
LS0603-2R2□-N	2,200	5 / 10	17	7.90	140	1.20	500	Black
LS0603-2R7□-N	2,700	5 / 10	17	7.90	105	1.50	480	Brown
LS0603-3R3□-N	3,300	5 / 10	17	7.90	84	1.50	440	Red
LS0603-3R9□-N	3,900	5 / 10	17	7.90	80	1.60	430	Orange
LS0603-4R7□-N	4,700	5 / 10	18	7.90	69	2.10	420	Yellow
LS0603-5R6□-N	5,600	5 / 10	18	7.90	65	2.60	400	Green
LS0603-6R8□-N	6,800	5 / 10	19	7.90	55	3.10	400	Blue
LS0603-7R8□-N	7,800	5 / 10	17	7.90	47	3.50	400	Violet
LS0603-8R2□-N	8,200	5 / 10	17	7.90	42	3.60	400	Gray
LS0603-100□-N	10,000	5 / 10	19	7.90	40	4.80	300	White

Note:

When ordering, please specify tolerance and packaging codes.

Tolerance: J = ± 5%, K = ± 10%

Packaging: Clear tape and reel (standard)

Test Instruments: L/Q- Agilent/HP4291A+Agilent/HP16197A

SRF- Agilent/HP4291A

RDC- CH502BC/ HP4338B

IDC- For Inductance drop 10% from its value without current

Operating Temperature Range: -25 °C to +85 °C



ELECTRICAL CHARACTERISTICS LS0805

PART NO.	INDUCTANCE (nH)	TOLERANCE (±%)	Q TYPICAL	TEST FREQUENCY (MHz)	SRF (MHz) Min.	DC RESISTANCE (Ω) Max.	IDC (mA) Max.	COLOR CODING
LS0805-78N□-N	78	5 / 10	19	7.90	1,440	0.06	2,000	Black
LS0805-110□-N	110	5 / 10	19	7.90	1,200	0.07	2,000	Brown
LS0805-470□-N	470	5 / 10	19	7.90	480	0.40	800	Red
LS0805-680□-N	680	5 / 10	20	7.90	480	0.40	800	Orange
LS0805-1000□-N	1,000	5 / 10	20	7.90	400	0.69	700	Yellow
LS0805-1500□-N	1,500	5 / 10	20	7.90	330	0.83	700	Green
LS0805-1800□-N	1,800	5 / 10	20	7.90	300	1.00	650	Blue
LS0805-2200□-N	2,200	5 / 10	20	7.90	250	1.10	650	Violet
LS0805-2700□-N	2,700	5 / 10	23	7.90	200	1.25	650	Gray
LS0805-3300□-N	3,300	5 / 10	23	7.90	160	1.45	650	White
LS0805-3900□-N	3,900	5 / 10	23	7.90	90	1.50	600	Black
LS0805-4700□-N	4,700	5 / 10	20	7.90	70	1.60	530	Brown
LS0805-5600□-N	5,600	5 / 10	20	7.90	65	1.70	500	Red
LS0805-6800□-N	6,800	5 / 10	20	7.90	45	1.95	470	Orange
LS0805-8200□-N	8,200	5 / 10	16	2.50	45	2.10	450	Yellow
LS0805-10000□-N	10,000	5 / 10	16	2.50	40	2.40	400	Green
LS0805-12000□-N	12,000	5 / 10	16	2.50	38	3.20	360	Red
LS0805-15000□-N	15,000	5 / 10	16	2.50	35	3.55	350	Blue
LS0805-18000□-N	18,000	5 / 10	16	2.50	25	4.90	300	Orange
LS0805-22000□-N	22,000	5 / 10	16	2.50	20	5.45	270	Violet
LS0805-27000□-N	27,000	5 / 10	16	2.50	19	7.80	240	Gray
LS0805-47000□-N	47,000	5 / 10	16	2.50	15	14.5	180	Brown

ELECTRICAL CHARACTERISTICS LS1008

PART NO.	INDUCTANCE (μH)	TOLERANCE (±%)	Q TYPICAL			TEST FREQUENCY (MHz)	SRF (MHz) Min.	DC RESISTANCE (Ω) Max.	IDC (mA) Max.	COLOR CODING		
			7.9MHz	25MHz	50MHz					1 st	2 nd	3 rd
LS1008-1R2□-N	1.2	5 / 10	35	47	55	7.90	350	0.50	1,200	Brown	Red	Red
LS1008-1R5□-N	1.5	5 / 10	38	53	58	7.90	300	0.65	1,200	Brown	Green	Red
LS1008-1R8□-N	1.8	5 / 10	34	47	54	7.90	280	0.75	1,050	Brown	Gray	Red
LS1008-2R2□-N	2.2	5 / 10	34	43	48	7.90	250	0.90	950	Red	Red	Red
LS1008-2R7□-N	2.7	5 / 10	38	49	51	7.90	200	1.00	950	Red	Violet	Red
LS1008-3R3□-N	3.3	5 / 10	42	57	58	7.90	200	1.15	900	Orange	Orange	Red
LS1008-3R9□-N	3.9	5 / 10	37	46	47	7.90	170	1.25	850	Orange	White	Red
LS1008-4R7□-N	4.7	5 / 10	37	43	38	7.90	130	1.35	700	Yellow	Violet	Red
LS1008-5R6□-N	5.6	5 / 10	36	40	29	7.90	110	1.45	700	Green	Blue	Red
LS1008-6R8□-N	6.8	5 / 10	33	39	33	7.90	105	1.60	600	Blue	Gray	Red
LS1008-8R2□-N	8.2	5 / 10	40	43	28	7.90	90	1.80	550	Gray	Red	Red
LS1008-100□-N	10	5 / 10	40	41	25	7.90	85	2.40	500	Brown	Black	Orange

Note:

When ordering, please specify tolerance and packaging codes.

Tolerance: J = ± 5%, K = ± 10%

Packaging: Clear tape and reel (standard)

Test Instruments: L/Q- Agilent/HP4291A + Agilent/HPI 6197A

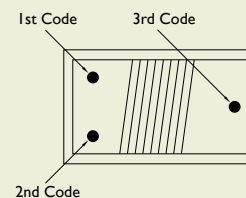
SRF- Agilent/HP4291A

RDC- CH502BC/ HP4338B

IDC- For Inductance drop 10% from its value without current

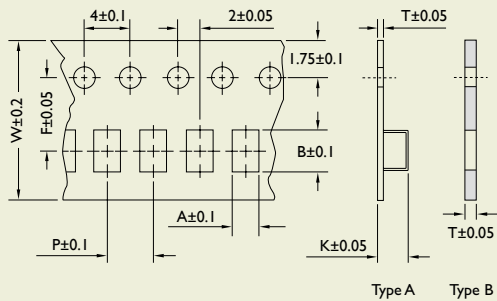
Operating Temperature Range: -25 °C to +85 °C

Color Coding



TAPE DIMENSIONS

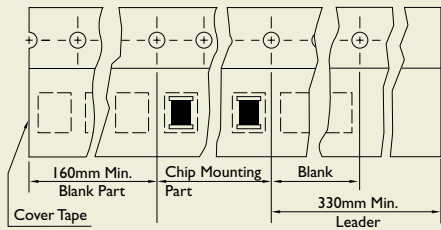
Unit: mm



TYPE	A	B	T	W	P	F	K	TAPE TYPE
LS0603	1.23	1.90	0.97	8	4	3.50	-	B
LS0805	1.60	2.42	0.22	8	4	3.50	1.45	A
LS1008	2.61	2.93	0.26	8	4	3.50	2.25	A

TAPE MATERIAL

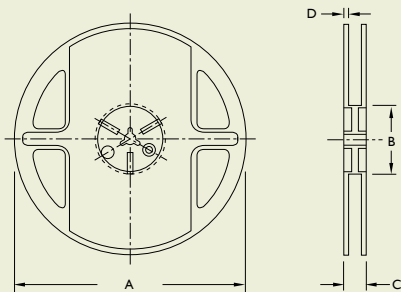
PACKAGING QUANTITY



TYPE	QUANTITY/REEL
LS0603	4,000
LS0805	2,000
LS1008	2,000

REEL DIMENSIONS

Unit: mm



TYPE	A	B	C	D
LS0603	178	60	12	1.5
LS0805	178	60	12	1.5
LS1008	178	60	12	1.5