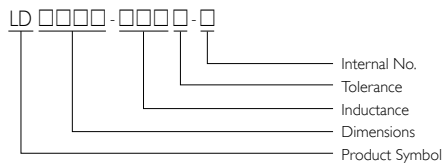


SMD Wire Wound Chip Inductors

LD Series



PRODUCT IDENTIFICATION



■ Internal No.: N = Lead-Free

APPLICATIONS

DSC, DVC, MD, PDA

Portable Digital Equipment

OUTLINE

LD series is the newest open type ferrite wire wound chip inductors.

This wire wound ferrite construction provides lower DCR than other open type inductors.

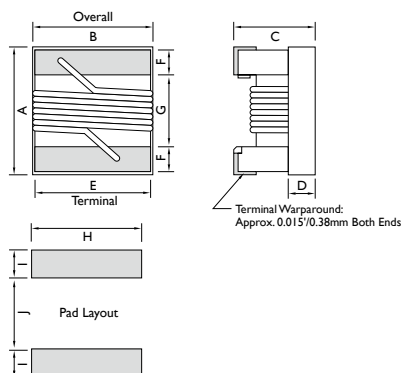
FEATURES

Miniature SMD type 0805 wire-wound chip inductors with low DC resistance.

Wide inductance range (1 μ H to 100 μ H).

SHAPES AND DIMENSIONS

Unit: mm



TYPE	A	B	C	D	E	F	G	H	I	J
	Max.	Max.	Max.							
LD0805	2.40	1.72	1.52	0.70	1.27	0.50	1.00	1.78	1.02	0.76

ELECTRICAL CHARACTERISTICS

PART NO.	INDUCTANCE (μ H)	TOLERANCE ($\pm$ %)	Q TYPICAL	TEST FREQUENCY (MHz)	SRF (MHz) Min.	DC RESISTANCE (Ω) $\pm 30\%$	IDC (mA)	COLOR CODING
LD0805-1R0□-N	1.0	10 / 20	18	7.96	100	0.10	800	Black
LD0805-1R5□-N	1.5	10 / 20	18	7.96	90	0.18	650	Brown
LD0805-2R2□-N	2.2	10 / 20	18	7.96	70	0.24	550	Red
LD0805-3R3□-N	3.3	10 / 20	18	7.96	55	0.30	450	Orange
LD0805-4R7□-N	4.7	10 / 20	18	7.96	50	0.47	360	Yellow
LD0805-6R8□-N	6.8	10 / 20	24	7.96	60	0.75	290	Green
LD0805-100□-N	10	10 / 20	18	2.52	25	0.90	290	Blue
LD0805-150□-N	15	10 / 20	18	2.52	25	1.60	230	Violet
LD0805-220□-N	22	10 / 20	18	2.52	17	1.95	190	Gray
LD0805-330□-N	33	10 / 20	17	2.52	15	2.60	120	White
LD0805-470□-N	47	10 / 20	17	2.52	11	3.90	95	Black
LD0805-680□-N	68	10 / 20	17	2.52	11	5.50	95	Brown
LD0805-101□-N	100	10 / 20	12	1.00	9	9.00	70	Red

Note:

When ordering, please specify tolerance and packaging codes.

Tolerance: K = $\pm 10\%$, M = $\pm 20\%$

Packaging: Clear tape and reel (standard)

Test Instruments: L/Q- Agilent/HP4291A+Agilent/HPI6197A (over 1MHz) or Agilent/HP4285A (under 1MHz)

SRF- Agilent/HP4291A

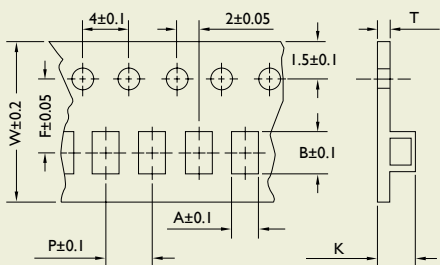
RDC- CH502BC/ HP4338B

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

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

TAPE DIMENSIONS

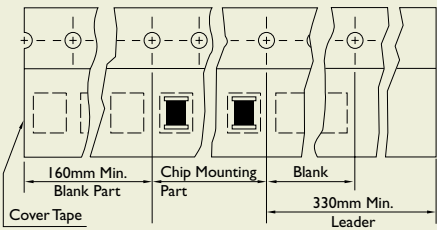
Unit: mm



TYPE	A	B	T	W	P	F	K
LD0805	1.60	2.42	0.22	8	4	3.50	1.45

TAPE MATERIAL

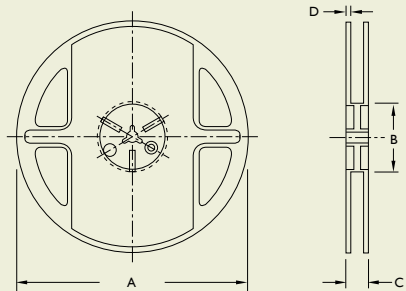
PACKAGING QUANTITY



TYPE	QUANTITY/REEL
LD0805	2,000

REEL DIMENSIONS

Unit: mm



TYPE	A	B	C	D
LD0805	178	60	12	1.5