1007 Case Size High Current Type (L-DWI Series)

Ordering Code	Inductance (µH)	Inductance Tolerance	Minimum Self Resonant Frequency (MHz)	DC Resistance (Ω) (±30%)	Maximum Rated Current (mA)		Measuring Frequency (MHz)	Tape & Reel Packaging Quantity
					1	2		
L1007C1R0MDWIT	1.0	±20%	100	0.08	1000	1200	7.96	2,000
L1007C2R2MDWIT	2.2	±20%	68	0.13	890	1100	7.96	2,000
L1007C4R7MDWIT	4.7	±20%	41	0.20	680	920	7.96	2,000
L1007C100MDWIT	10	±20%	30	0.36	480	680	2.52	2,000
L1007C220MDWIT	22	±20%	19	0.77	320	460	2.52	2,000
L1007C470MDWIT	47	±20%	12	1.90	240	290	2.52	2,000
L1007C101MDWIT	100	±20%	9	3.7	160	170	0.796	2,000
L1007C220MDWIT	220	±20%	5.5	8.4	115	110	0.796	2,000
L1007C470MDWIT	470	±20%	3.5	22	80	70	0.796	2,000
L1007C681MDWIT	680	±20%	3	28	65	60	0.796	2,000

1210 Case Size High Current Low Rdc Type (L-DWI Series)

Ordering Code	Inductance (µH)	Inductance Tolerance	Minimum Self Resonant Frequency (MHz)	DC Resistance (Ω) (±30%)	Maximum Rated Current (mA)		Measuring Frequency (MHz)	Tape & Reel Packaging Quantity
					1	2		
L1210R1R0MDWIT	1.0	±20%	250	0.055	2000	1440	0.1	1,000
L1210R1R5MDWIT	1.5	±20%	220	0.06	2000	1310	0.1	1,000
L1210R2R2MDWIT	2.2	±20%	190	0.08	2000	1130	0.1	1,000
L1210R3R3MDWIT	3.3	±20%	160	0.095	1800	1040	0.1	1,000
L1210R4R7MDWIT	4.7	±20%	70	0.1	1250	1010	0.1	1,000
L1210R6R8MDWIT	6.8	±20%	50	0.12	930	940	0.1	1,000
L1210R100(_)DWIT	10	K=±10%, M=±20%	23	0.133	900	900	0.1	1,000
L1210R150(_)DWIT	15	K=±10%, M=±20%	20	0.195	730	850	0.1	1,000
L1210R220(_)DWIT	22	K=±10%, M=±20%	17	0.27	620	780	0.1	1,000
L1210R330(_)DWIT	33	K=±10%, M=±20%	13	0.41	500	570	0.1	1,000
L1210R470(_)DWIT	47	K=±10%, M=±20%	10	0.67	390	480	0.1	1,000
L1210R680(_)DWIT	68	K=±10%, M=±20%	8	1	320	410	0.1	1,000
L1210R101(_)DWIT	100	K=±10%, M=±20%	6	1.4	270	340	0.1	1,000

(_) - Insert Inductance Tolerance Code (K or M)

0805 Case Size Low Profile Type (L-DWL Series)

Ordering Code	Inductance (µH)	Inductance Tolerance	Minimum Self Resonant Frequency (MHz)	DC Resistance (Ω) (±30%)	Maximum Rated Current (mA)		Measuring Frequency (MHz)	Tape & Reel Packaging Quantity
					1	2		
L0805C4R7MDWLT	4.7	±20%	45	0.66	275	490	0.10	4,000
L0805C100MDWLT	10	±20%	32	1.00	205	370	0.10	4,000
L0805C470MDWLT	47	±20%	11	4.20	100	140	0.10	4,000

0603 Case Size Power, Bottom Surface Electrode Type (L-DWF 1608 Series)

Ordering Code	Inductance (µH)	Inductance Tolerance	Minimum Self Resonant Frequency (MHz)	DC Resistance (Ω) (±30%)	Maximum Rated Current (mA)		Measuring Frequency (MHz)	Tape & Reel Packaging Quantity
					1	2		
L0603B1R0MDWFT	1.0	±20%	100	0.09	290	770	7.96	2,000
L0603B2R2MDWFT	2.2	±20%	80	0.17	190	560	7.96	2,000
L0603B4R7MDWFT	4.7	±20%	45	0.24	145	470	7.96	2,000
L0603B100(_)DWFT	10	K=±10%, M=±20%	32	0.36	115	380	2.52	2,000
L0603B220(_)DWFT	22	K=±10%, M=±20%	16	1.00	70	230	2.52	2,000
L0603B470(_)DWFT	47	K=±10%, M=±20%	11	2.5	50	140	2.52	2,000

(_) - Insert Inductance Tolerance Code (K or M)

*For rated current of ordinary small power choke coils, please refer to the rated current (1) in the above table.

*For current (2) is the current for instantaneous flow such as plunging current of DC/DC converter.

In case of usage in the circuit where large current may be semicontinuously applied over 5 minutes with auto recovery circuit, etc, please contact our sales section before practical application.

Rated current (1):Current value to guarantee -30% of nominal inductance (at 20ºC)

Rated current (2):Current value to guarantee component temperature within $\Delta T = 40°C$ with current flow. (It's not the current to guarantee the inductance value)