

Wire Wound Chip Ferrite Inductors – SDWL-F Series

Operating Temp. : -40℃~+105℃ (Including self-heating)



FEATURES

- Excellent solderability and suitable for surface mounting
- High inductance with ferrite material
- Tight inductance tolerance and stable inductance at high frequency
- Coils encapsulated in heat-proof resin making resistance to mechanical shock or pressure

APPLICATIONS

- Video cameras, hard disk drives, liquid crystal television sets, car audio equipment and other small-sized general electronic appliances

PRODUCT IDENTIFICATION

SDWL

①

2520

②

F

③

10N

④

J

⑤

T

⑥

F

⑦

①	Type
SDWL	Wire Wound Chip Inductor

②	External Dimensions [mm]
	2520~3225

③	Material Code
F	

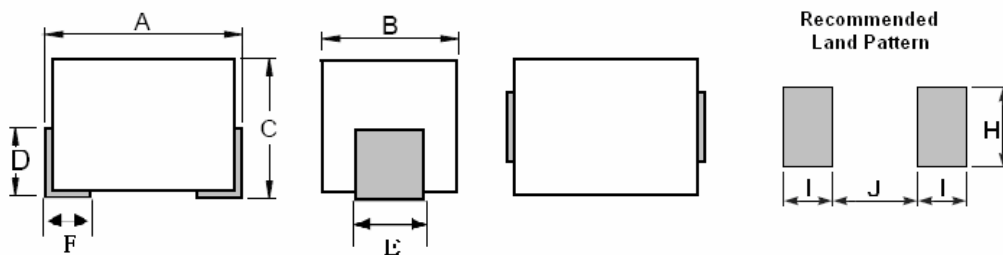
⑤	Inductance Tolerance
J	±5%

④	Nominal Inductance
Example	Nominal Value
1R0	1.0μH
100	10μH
101	100μH

⑥	Packing
T	Tape Carrier Package

⑦	Hazardous Substance Free Products
	F

SHAPE AND DIMENSIONS



Unit: mm

Series	A	B	C	D typ.	E	F typ.	I typ.	J typ.	H typ.
SDWL2520F	2.5±0.2	2.0±0.2	1.8±0.2	0.5	1.4±0.1	0.4	1.0	1.5	1.5
SDWL3225F	3.2±0.4	2.5±0.2	2.2±0.2	0.5	1.9±0.1	0.4	1.2	2.0	2.0

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SPECIFICATIONS

SDWL2520F TYPE

Part Number	Inductance	Min. Quality Factor	L/Q Test Condition	Min. Self-resonant Frequency	Max. DC Resistance	Max. Rated Current
Units	μH	-	MHz	MHz	Ω	mA
Symbol	L	Q	Freq.	S.R.F	DCR	Ir
SDWL2520F10NJTF	0.01±5%	15	100	2150	0.26	530
SDWL2520F12NJTF	0.012±5%	15	100	2050	0.27	500
SDWL2520F15NJTF	0.015±5%	15	100	2000	0.29	480
SDWL2520F18NJTF	0.018±5%	15	100	1850	0.31	450
SDWL2520F22NJTF	0.022±5%	15	100	1650	0.37	420
SDWL2520F27NJTF	0.027±5%	15	100	1550	0.40	410
SDWL2520F33NJTF	0.033±5%	20	100	1450	0.42	400
SDWL2520F39NJTF	0.039±5%	20	100	1350	0.45	380
SDWL2520F47NJTF	0.047±5%	20	100	1200	0.50	360
SDWL2520F56NJTF	0.056±5%	20	100	1100	0.60	340
SDWL2520F68NJTF	0.068±5%	20	100	1050	0.65	320
SDWL2520F82NJTF	0.082±5%	20	100	900	0.75	300
SDWL2520FR10JTF	0.10±5%	20	100	800	0.80	280
SDWL2520FR12JTF	0.12±5%	30	25.2	700	0.30	550
SDWL2520FR15JTF	0.15±5%	30	25.2	550	0.35	500
SDWL2520FR18JTF	0.18±5%	30	25.2	500	0.40	460
SDWL2520FR22JTF	0.22±5%	30	25.2	450	0.50	430
SDWL2520FR27JTF	0.27±5%	30	25.2	425	0.55	420
SDWL2520FR33JTF	0.33±5%	30	25.2	400	0.60	400
SDWL2520FR39JTF	0.39±5%	30	25.2	375	0.65	375
SDWL2520FR47JTF	0.47±5%	30	25.2	350	0.68	350
SDWL2520FR56JTF	0.56±5%	30	25.2	325	0.75	325
SDWL2520FR68JTF	0.68±5%	30	25.2	300	0.85	300
SDWL2520FR82JTF	0.82±5%	30	25.2	260	1.00	260
SDWL2520F1R0JTF	1.0±5%	30	7.96	245	1.10	245
SDWL2520F1R2JTF	1.2±5%	30	7.96	230	1.20	230
SDWL2520F1R5JTF	1.5±5%	30	7.96	182	1.30	220
SDWL2520F1R8JTF	1.8±5%	30	7.96	135	1.45	210
SDWL2520F2R2JTF	2.2±5%	30	7.96	105	1.55	200
SDWL2520F2R7JTF	2.7±5%	30	7.96	70	1.70	195
SDWL2520F3R3JTF	3.3±5%	30	7.96	55	1.90	185
SDWL2520F3R9JTF	3.9±5%	30	7.96	48	2.10	180
SDWL2520F4R7JTF	4.7±5%	30	7.96	43	2.30	175
SDWL2520F5R6JTF	5.6±5%	25	7.96	42	2.50	170
SDWL2520F6R8JTF	6.8±5%	25	7.96	39	2.70	165
SDWL2520F8R2JTF	8.2±5%	25	7.96	36	3.05	160
SDWL2520F100JTF	10±5%	25	2.52	33	3.50	155
SDWL2520F120JTF	12±5%	25	2.52	30	3.80	150
SDWL2520F150JTF	15±5%	25	2.52	26	4.40	140
SDWL2520F180JTF	18±5%	25	2.52	24	4.80	130
SDWL2520F220JTF	22±5%	25	2.52	22	5.50	125
SDWL2520F270JTF	27±5%	25	2.52	21	6.30	115
SDWL2520F330JTF	33±5%	25	2.52	20	7.10	110
SDWL2520F390JTF	39±5%	20	2.52	18	9.50	90
SDWL2520F470JTF	47±5%	20	2.52	17	11.1	80
SDWL2520F560JTF	56±5%	20	2.52	16	12.1	75
SDWL2520F680JTF	68±5%	20	2.52	15	13.1	70
SDWL2520F820JTF	82±5%	20	2.52	13	15.0	66
SDWL2520F101JTF	100±5%	15	0.796	12	21.0	60

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SPECIFICATIONS

SDWL3225F TYPE

Part Number	Inductance	Min. Quality Factor	L/Q Test Condition	Min. Self-resonant Frequency	Max. DC Resistance	Max. Rated Current
Units	μH	-	MHz	MHz	Ω	mA
Symbol	L	Q	Freq.	S.R.F	DCR	Ir
SDWL3225F10NJTF	0.01±5%	15	100	2500	0.13	450
SDWL3225F12NJTF	0.012±5%	17	100	2300	0.14	450
SDWL3225F15NJTF	0.015±5%	19	100	2100	0.16	450
SDWL3225F18NJTF	0.018±5%	21	100	1900	0.18	450
SDWL3225F22NJTF	0.022±5%	23	100	1700	0.20	450
SDWL3225F27NJTF	0.027±5%	23	100	1500	0.22	450
SDWL3225F33NJTF	0.033±5%	25	100	1400	0.24	450
SDWL3225F39NJTF	0.039±5%	25	100	1300	0.27	450
SDWL3225F47NJTF	0.047±5%	26	100	1200	0.30	450
SDWL3225F56NJTF	0.056±5%	26	100	1100	0.33	450
SDWL3225F68NJTF	0.068±5%	27	100	1000	0.36	450
SDWL3225F82NJTF	0.082±5%	27	100	900	0.40	450
SDWL3225FR10JTF	0.10±5%	28	100	700	0.44	450
SDWL3225FR12JTF	0.12±5%	30	25.2	500	0.22	450
SDWL3225FR15JTF	0.15±5%	30	25.2	450	0.25	450
SDWL3225FR18JTF	0.18±5%	30	25.2	400	0.28	450
SDWL3225FR22JTF	0.22±5%	30	25.2	350	0.32	450
SDWL3225FR27JTF	0.27±5%	30	25.2	320	0.36	450
SDWL3225FR33JTF	0.33±5%	30	25.2	300	0.40	450
SDWL3225FR39JTF	0.39±5%	30	25.2	250	0.45	450
SDWL3225FR47JTF	0.47±5%	30	25.2	220	0.50	450
SDWL3225FR56JTF	0.56±5%	30	25.2	180	0.55	450
SDWL3225FR68JTF	0.68±5%	30	25.2	160	0.60	450
SDWL3225FR82JTF	0.82±5%	30	25.2	140	0.65	450
SDWL3225F1R0JTF	1.0±5%	30	7.960	120	0.70	400
SDWL3225F1R2JTF	1.2±5%	30	7.960	100	0.75	390
SDWL3225F1R5JTF	1.5±5%	30	7.960	85	0.85	370
SDWL3225F1R8JTF	1.8±5%	30	7.960	80	0.90	350
SDWL3225F2R2JTF	2.2±5%	30	7.960	75	1.00	320
SDWL3225F2R7JTF	2.7±5%	30	7.960	70	1.10	290
SDWL3225F3R3JTF	3.3±5%	30	7.960	60	1.20	260
SDWL3225F3R9JTF	3.9±5%	30	7.960	55	1.30	250
SDWL3225F4R7JTF	4.7±5%	30	7.960	50	1.50	220
SDWL3225F5R6JTF	5.6±5%	30	7.960	45	1.60	200
SDWL3225F6R8JTF	6.8±5%	30	7.960	40	1.80	180
SDWL3225F8R2JTF	8.2±5%	30	7.960	35	2.00	170
SDWL3225F100JTF	10±5%	30	2.520	30	2.10	150
SDWL3225F120JTF	12±5%	30	2.520	20	2.50	140
SDWL3225F150JTF	15±5%	30	2.520	20	2.80	130
SDWL3225F180JTF	18±5%	30	2.520	20	3.30	120
SDWL3225F220JTF	22±5%	30	2.520	20	3.70	110
SDWL3225F270JTF	27±5%	30	2.520	20	5.00	80
SDWL3225F330JTF	33±5%	30	2.520	17	5.60	70
SDWL3225F390JTF	39±5%	30	2.520	16	6.40	65
SDWL3225F470JTF	47±5%	30	2.520	15	7.00	60
SDWL3225F560JTF	56±5%	30	2.520	13	8.00	55
SDWL3225F680JTF	68±5%	30	2.520	12	9.00	50
SDWL3225F820JTF	82±5%	30	2.520	11	10.00	45

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Part Number	Inductance	Min. Quality Factor	L/Q Test Condition	Min. Self-resonant Frequency	Max. DC Resistance	Max. Rated Current
Units	μH	-	MHz	MHz	Ω	mA
Symbol	L	Q	Freq.	S.R.F	DCR	I _r
SDWL3225F101JTF	100±5%	20	0.796	10	10.0	40
SDWL3225F121JTF	120±5%	20	0.796	10	11.0	70
SDWL3225F151JTF	150±5%	20	0.796	8	15.0	65
SDWL3225F181JTF	180±5%	20	0.796	7	17.0	60
SDWL3225F221JTF	220±5%	20	0.796	7	21.0	50
SDWL3225F271JTF	270±5%	20	0.796	6	28.0	45
SDWL3225F331JTF	330±5%	20	0.796	5	34.0	40
SDWL3225F391JTF	390±5%	20	0.796	5	36.0	35
SDWL3225F471JTF	470±5%	20	0.796	4	40.0	25

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