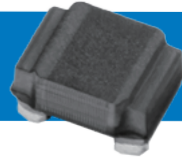


绕线片式铁氧体电感—SDWL-FW 系列

Wire Wound Chip Ferrite Inductor—SDWL-FW Series



工作温度
Operating Temp

- ◆ $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

特征
Features

- ◆ 小尺寸，可表面贴装
- ◆ 铁氧体材料具有高电感量
- ◆ Small chip suitable for surface mounting
- ◆ High inductance with ferrite material

用途
Applications

- ◆ 液晶显示器等电子设备
- ◆ Liquid crystal television and other electronic devices

产品型号
Product Identification

1	2	3	4	5	6	7	8
SDWL	2012	FW	R27	J	S	T	F

1	分类 Type	
SDWL	绕线片式电感 Wire Wound Chip Inductor	

2	外形尺寸 External Dimensions	
2012 [0805]	2.29×1.73	
2520 [1008]	2.92×2.79	
3216 [1206]	3.56×2.16	
3225 [1210]	3.65×2.95	

3	材料代号 Material Code	
FW	铁氧体 Ferrite	

4	公称电感量 Nominal Inductance	
Example	Nominal Value	
R27	270nH	
2R7	2.7μH	
100	10μH	

5	电感公差 Inductance Tolerance	
J	±5%	
K	±10%	
M	±20%	

6	特征代号 Feature Type	
S	镀锡五面封装 Sn Plating Five-faces Coating	

7	包装 Packing	
T	编带 Tape & Reel	

8	无有害物质产品 Hazardous Substance Free Products	
F		

外观尺寸
Shape and Dimensions

SDWL2012/2520/3216/3225FW Type									
Unit: mm									
Series	A Max.	B Max.	C Max.	D Ref.	E	F	H Ref.	I Ref.	J Ref.
SDWL2012FW	2.29	1.73	1.55	0.51	1.27 ± 0.2	0.51 ± 0.2	1.78	1.02	0.76
SDWL2520FW	2.92	2.79	2.29	0.51	2.10 ± 0.2	0.50 ± 0.2	2.54	1.02	1.27
SDWL3216FW	3.56	2.16	1.52	0.51	1.60 ± 0.2	0.50 ± 0.2	1.93	1.02	1.78
SDWL3225FW	3.65	2.95	2.70	0.51	2.40 ± 0.2	0.50 ± 0.2	3.02	1.02	1.78

规格特性 Specifications

SDWL2012FW TYPE

型号 Part Number	电感量 Inductance	公差 Tolerance	品质因子 Min. Quality Factor	测试频率 L/Q Test Freq.	自谐频率 Min. Self-resonant Frequency	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current
单位 Units	μH	-	-	MHz	MHz	Ω	mA
符号 Symbol	L	-	Q	Freq.	S.R.F	DCR	Ir
SDWL2012FW78N □ STF	0.078	J,K,M	15	7.9	2000	0.09	2000
SDWL2012FW90N □ STF	0.09	J,K,M	15	7.9	1200	0.09	2000
SDWL2012FWR11 □ STF	0.11	J,K,M	15	7.9	1200	0.05	2000
SDWL2012FWR12 □ STF	0.12	J,K,M	10	100	700	0.40	380
SDWL2012FWR27 □ STF	0.27	J,K,M	15	25	550	0.91	350
SDWL2012FWR33 □ STF	0.33	J,K,M	10	100	550	0.50	330
SDWL2012FWR39 □ STF	0.39	J,K,M	10	100	500	0.50	330
SDWL2012FWR47 □ STF	0.47	J,K,M	8	100	500	0.72	300
SDWL2012FWR56 □ STF	0.56	J,K,M	15	25	360	0.60	145
SDWL2012FWR68 □ STF	0.68	J,K,M	15	25	350	0.60	145
SDWL2012FWR82 □ STF	0.82	J,K,M	15	25	350	0.70	245
SDWL2012FW1R0 □ STF	1.0	J,K,M	15	7.9	63	1.20	245
SDWL2012FW1R1 □ STF	1.1	J,K,M	15	7.9	300	1.20	235
SDWL2012FW1R2 □ STF	1.2	J,K,M	15	7.9	60	1.00	225
SDWL2012FW1R5 □ STF	1.5	J,K,M	15	7.9	60	1.45	225
SDWL2012FW1R8 □ STF	1.8	J,K,M	15	7.9	60	1.45	200
SDWL2012FW2R0 □ STF	2.0	J,K,M	15	7.9	60	1.80	175
SDWL2012FW2R2 □ STF	2.2	J,K,M	10	7.9/50	200	2.50	100
SDWL2012FW2R7 □ STF	2.7	J,K,M	15	7.9	50	2.30	175
SDWL2012FW3R3 □ STF	3.3	J,K,M	15	7.9	50	2.30	175
SDWL2012FW3R9 □ STF	3.9	J,K,M	10	7.9	50	2.50	80
SDWL2012FW4R7 □ STF	4.7	J,K,M	15	7.9	43	2.80	140
SDWL2012FW5R6 □ STF	5.6	J,K,M	15	7.9	50	3.00	130
SDWL2012FW6R8 □ STF	6.8	J,K,M	15	7.9	36	3.40	115
SDWL2012FW7R0 □ STF	7.0	J,K,M	10	7.9	35	3.50	100
SDWL2012FW7R5 □ STF	7.5	J,K,M	10	7.9	35	3.50	100
SDWL2012FW8R2 □ STF	8.2	J,K,M	10	7.9/2.5	35	4.50	100
SDWL2012FW100 □ STF	10	J,K,M	10	2.5	30	4.70	98
SDWL2012FW120 □ STF	12	J,K,M	10	2.5	25	5.50	80
SDWL2012FW150 □ STF	15	J,K,M	10	2.5	23	6.50	80
SDWL2012FW180 □ STF	18	J,K,M	10	2.5	20	7.00	68
SDWL2012FW220 □ STF	22	J,K,M	10	2.5	20	8.00	68
SDWL2012FW270 □ STF	27	J,K,M	10	2.5	20	9.80	60
SDWL2012FW330 □ STF	33	J,K,M	10	2.5	17	10.70	60
SDWL2012FW390 □ STF	39	J,K,M	10	2.5	15	12.70	55
SDWL2012FW470 □ STF	47	J,K,M	10	2.5	14	13.80	55
SDWL2012FW680 □ STF	68	J,K,M	8	2.5	11	17.50	40

SDWL2520FW TYPE

型号 Part Number	电感量 Inductance	公差 Tolerance	品质因子 Min. Quality Factor	测试频率 L/Q Test Freq.	自谐频率 Min. Self-resonant Frequency	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current
单位 Units	μH	-	-	MHz	MHz	Ω	mA
符号 Symbol	L	-	Q	Freq.	S.R.F	DCR	Ir
SDWL2520FWR33 □ STF	0.33	J,K,M	50	25/100	600	0.17	700
SDWL2520FW1R0 □ STF	1.0	J,K,M	20	7.9/50	250	0.80	600
SDWL2520FW1R2 □ STF	1.2	J,K,M	37	7.9/50	250	0.80	650
SDWL2520FW1R5 □ STF	1.5	J,K,M	35	7.9/50	190	0.76	630
SDWL2520FW1R8 □ STF	1.8	J,K,M	33	7.9/50	170	0.84	600
SDWL2520FW2R2 □ STF	2.2	J,K,M	30	7.9/50	150	1.15	520
SDWL2520FW2R7 □ STF	2.7	J,K,M	25	7.9/50	120	1.30	490
SDWL2520FW3R3 □ STF	3.3	J,K,M	23	7.9/50	100	1.70	450

规格特性
Specifications

SDWL2520FW TYPE

型号 Part Number	电感量 Inductance	公差 Tolerance	品质因子 Min. Quality Factor	测试频率 L/Q Test Freq.	自谐频率 Min. Self-resonant Frequency	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current
单位 Units	μH	-	-	MHz	MHz	Ω	mA
符号 Symbol	L	-	Q	Freq.	S.R.F	DCR	Ir
SDWL2520FW3R9 □ STF	3.9	J,K,M	26	7.9/25	100	2.00	420
SDWL2520FW4R7 □ STF	4.7	J,K,M	31	7.9	60	1.68	400
SDWL2520FW5R6 □ STF	5.6	J,K,M	23	7.9	80	2.65	380
SDWL2520FW6R8 □ STF	6.8	J,K,M	20	7.9	60	3.00	360
SDWL2520FW8R2 □ STF	8.2	J,K,M	20	7.9	40	3.30	330
SDWL2520FW100 □ STF	10	J,K,M	15	7.9	40	2.95	300
SDWL2520FW120 □ STF	12	J,K,M	15	7.9	40	3.50	250
SDWL2520FW150 □ STF	15	J,K,M	15	7.9	40	4.00	200
SDWL2520FW220 □ STF	22	J,K,M	15	7.9	40	10.0	100

SDWL3216FW TYPE

型号 Part Number	电感量 Inductance	公差 Tolerance	品质因子 Min. Quality Factor	测试频率 L/Q Test Freq.	自谐频率 Min. Self-resonant Frequency	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current
单位 Units	μH	-	-	MHz	MHz	Ω	mA
符号 Symbol	L	-	Q	Freq.	S.R.F	DCR	Ir
SDWL3216FWR68 □ STF	0.6	J, K, M	25	25/7.9	500	0.40	300
SDWL3216FW1R2 □ STF	1.2	J, K, M	25	7.9	260	0.80	360
SDWL3216FW1R5 □ STF	1.5	J, K, M	25	7.9	260	1.20	320
SDWL3216FW1R7 □ STF	1.7	J, K, M	25	7.9	250	1.00	320
SDWL3216FW1R8 □ STF	1.8	J, K, M	25	7.9	250	1.20	320
SDWL3216FW2R2 □ STF	2.2	J, K, M	25	7.9	240	1.30	300
SDWL3216FW2R7 □ STF	2.7	J, K, M	25	7.9	230	1.40	300
SDWL3216FW3R1 □ STF	3.1	J, K, M	25	7.9	200	1.10	280
SDWL3216FW3R3 □ STF	3.3	J, K, M	25	7.9	200	1.50	280
SDWL3216FW3R9 □ STF	3.9	J, K, M	25	7.9	190	1.90	280
SDWL3216FW4R7 □ STF	4.7	J, K, M	25	7.9	170	2.20	280
SDWL3216FW5R6 □ STF	5.6	J, K, M	25	7.9	160	2.40	260
SDWL3216FW6R8 □ STF	6.8	J, K, M	25	7.9	150	2.80	240
SDWL3216FW8R2 □ STF	8.2	J, K, M	25	7.9	130	3.10	220
SDWL3216FW100 □ STF	10.0	J, K, M	25	7.9	120	4.00	200
SDWL3216FW120 □ STF	12.0	J, K, M	18	2.5	110	4.60	200
SDWL3216FW150 □ STF	15.0	J, K, M	16	2.5	90	8.20	160
SDWL3216FW180 □ STF	18.0	J, K, M	16	2.5	80	9.00	130

SDWL3225FW TYPE

型号 Part Number	电感量 Inductance	公差 Tolerance	品质因子 Min. Quality Factor	测试频率 L/Q Test Freq.	自谐频率 Min. Self-resonant Frequency	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current
单位 Units	μH	-	-	MHz	MHz	Ω	mA
符号 Symbol	L	-	Q	Freq.	S.R.F	DCR	Ir
SDWL3225FWR12 □ STF	0.12	J, K, M	30	25	500	0.22	450
SDWL3225FWR15 □ STF	0.15	J, K, M	30	25	450	0.40	450
SDWL3225FWR18 □ STF	0.18	J, K, M	30	25	400	0.28	450
SDWL3225FWR22 □ STF	0.22	J, K, M	30	25	350	0.32	450
SDWL3225FWR27 □ STF	0.27	J, K, M	30	25	320	0.36	450
SDWL3225FWR33 □ STF	0.33	J, K, M	30	25	300	0.40	450
SDWL3225FWR39 □ STF	0.39	J, K, M	30	25	250	0.45	450
SDWL3225FWR47 □ STF	0.47	J, K, M	30	25	220	0.50	450
SDWL3225FWR51 □ STF	0.51	J, K, M	30	25	180	0.55	450
SDWL3225FWR56 □ STF	0.56	J, K, M	30	25	180	0.55	450
SDWL3225FWR68 □ STF	0.68	J, K, M	30	25	160	0.60	450

规格特性 Specifications

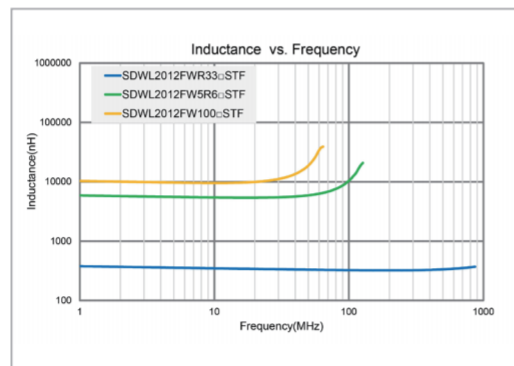
SDWL3225FW TYPE

型号 Part Number	电感量 Inductance	公差 Tolerance	品质因子 Min. Quality Factor	测试频率 L/Q Test Freq.	自谐振频率 Min. Self-resonant Frequency	直流电阻 Max. DC Resistance	额定电流 Max. Rated Current
单位 Units	μH	-	-	MHz	MHz	Ω	mA
符号 Symbol	L	-	Q	Freq.	S.R.F	DCR	Ir
SDWL3225FWR82 □ STF	0.82	J, K, M	30	25	140	0.65	450
SDWL3225FW1R0 □ STF	1.0	J, K, M	30	7.9	120	0.70	400
SDWL3225FW1R2 □ STF	1.2	J, K, M	30	7.9	100	0.75	390
SDWL3225FW1R5 □ STF	1.5	J, K, M	30	7.9	85	0.85	370
SDWL3225FW1R8 □ STF	1.8	J, K, M	30	7.9	80	0.90	350
SDWL3225FW2R2 □ STF	2.2	J, K, M	30	7.9	75	1.00	320
SDWL3225FW2R7 □ STF	2.7	J, K, M	30	7.9	70	1.10	290
SDWL3225FW3R3 □ STF	3.3	J, K, M	30	7.9	60	1.20	260
SDWL3225FW3R9 □ STF	3.9	J, K, M	30	7.9	55	1.30	250
SDWL3225FW4R7 □ STF	4.7	J, K, M	30	7.9	50	1.50	224
SDWL3225FW5R6 □ STF	5.6	J, K, M	30	7.9	45	1.60	204
SDWL3225FW6R8 □ STF	6.8	J, K, M	30	7.9	40	1.80	180
SDWL3225FW8R2 □ STF	8.2	J, K, M	30	7.9	35	2.00	170
SDWL3225FW100 □ STF	10	J, K, M	25	7.9	30	2.10	150
SDWL3225FW120 □ STF	12	J, K, M	25	7.9	20	2.50	140
SDWL3225FW150 □ STF	15	J, K, M	20	2.5	20	4.50	120
SDWL3225FW180 □ STF	18	J, K, M	20	2.5	20	5.60	120
SDWL3225FW200 □ STF	20	J, K, M	20	2.5	20	5.60	120
SDWL3225FW220 □ STF	22	J, K, M	20	2.5	20	5.60	120
SDWL3225FW250 □ STF	25	J, K, M	20	2.5	20	6.00	120
SDWL3225FW270 □ STF	27	J, K, M	20	2.5	20	6.50	100
SDWL3225FW330 □ STF	33	J, K, M	20	2.5	18	6.50	100
SDWL3225FW470 □ STF	47	J, K, M	20	2.5	15	6.80	100
SDWL3225FW560 □ STF	56	J, K, M	20	2.5	15	9.00	80
SDWL3225FW680 □ STF	68	J, K, M	30	2.5	15	11.00	80

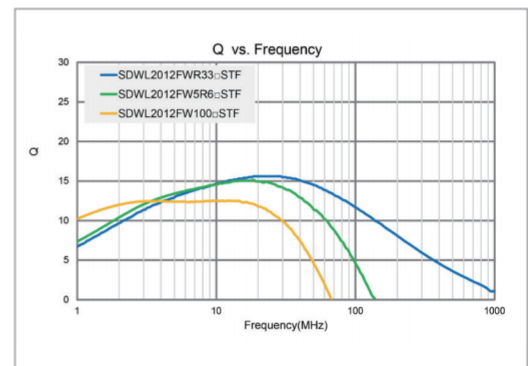
电气特性 Typical Electrical Characteristics

SDWL2012FW TYPE

Inductance vs. Frequency Characteristics



Q vs. Frequency Characteristics

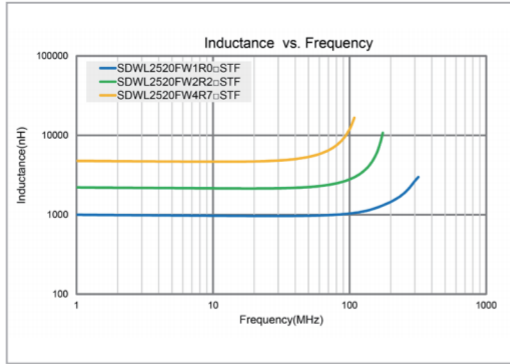


电气特性

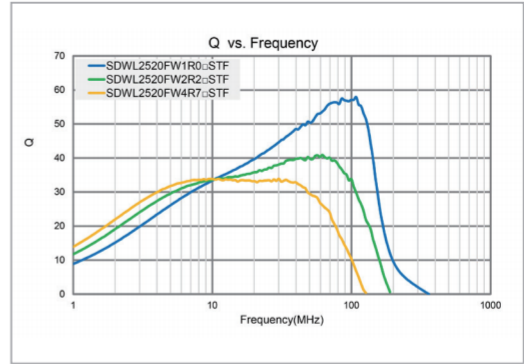
Typical Electrical Characteristics

SDWL2520FW TYPE

Inductance vs. Frequency Characteristics

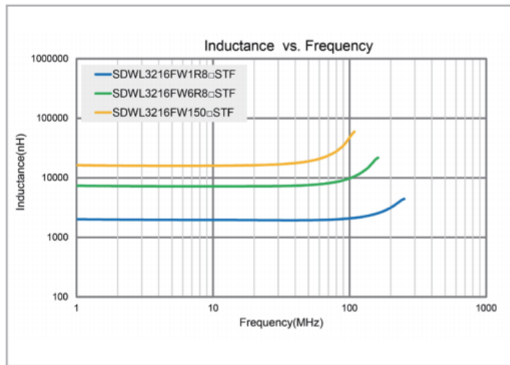


Q vs. Frequency Characteristics

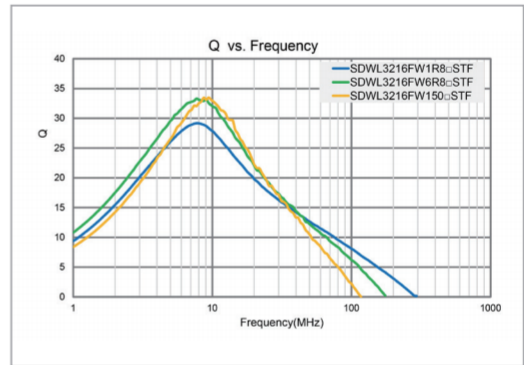


SDWL3216FW TYPE

Inductance vs. Frequency Characteristics

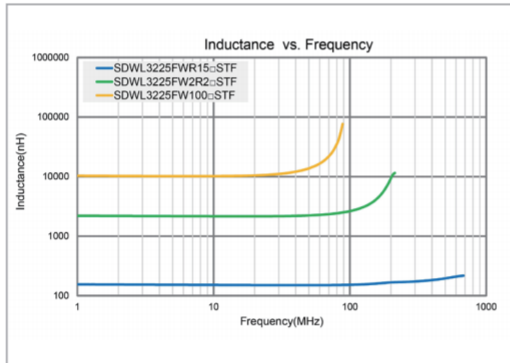


Q vs. Frequency Characteristics



SDWL3225FW TYPE

Inductance vs. Frequency Characteristics



Q vs. Frequency Characteristics

