

◆ $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$

◆ 小尺寸, 可表面贴装	◆ Small chip suitable for surface mounting
◆ 陶瓷材料具有高 Q 值, 高自谐振频率	◆ High Q value and high self-resonant frequency with ceramic material
◆ 高精度, 高可靠性	◆ Tight inductance tolerance and stable inductance at high frequency
◆ 较 SDWL-C 系列更低的直流电阻、更高 Q 值和更大电流	◆ Lower DCR, higher Q and larger current than SDWL-C series

◆ 通讯设备的高频线路	◆ High frequency circuit in telecommunication and other equipments
◆ 移动电话等电子设备	◆ Mobile phones and other electronic devices
◆ 蓝牙、无线网、宽带网	◆ Bluetooth, W-LAN, Broadband network

1	2	3	4	5	6	7	8	9
SDWL	2012	C	P	11N	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]	2.4 × 1.8	

3	材料代号 Material Code	
C	陶瓷 Ceramic	

4	特性 Feature Type	
P	大电流 & 高 Q Large Current & High Q	

5	公称电感量 Nominal Inductance	
Example	Nominal Value	
11N	11nH	
R10	100nH	

6	电感公差 Inductance Tolerance	
G	± 2%	
J	± 5%	

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

8	包装 Packing	
T	编带 Tape & Reel	

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

Figure 1 consists of four schematic diagrams illustrating the SDWL-CP and Land Pattern. The first diagram shows the top view of the SDWL-CP with dimensions A, B, and C. The second diagram shows the side view of the SDWL-CP with dimensions C, D, and E. The third diagram shows the top view of the SDWL-CP with dimensions E, F, and G. The fourth diagram shows the Land Pattern with dimensions H, I, J, and K.

Series	A	B	C	D Ref.	E	F	H Ref.	I Ref.	J Ref.
SDWL2012CP	2.4 Max.	1.8 Max.	1.5 Max.	0.51	1.55±0.1	0.3±0.1	1.98	1.02	1.12

规格特性 Specifications

SDWL2012CP TYPE

型号 Part Number	电感量 Inductance	公差 Tolerance	品质因子(典型) Quality Factor Typ.	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	nH	-	-	MHz	MHz	Ω	mA
符号 Symbol	L	-	Q	Freq.	S.R.F	DCR	Ir
SDWL2012CP2N6 □ STF	2.6	J	100	250/1500	9500	0.015	2000
SDWL2012CP6N2 □ STF	6.2	J	104	250/1000	7200	0.027	1500
SDWL2012CP6N8 □ STF	6.8	J	90	250/1000	6000	0.066	1300
SDWL2012CP11N □ STF	11	G,J	93	250/500	4750	0.039	1600
SDWL2012CP12N □ STF	12	G,J	91	250/500	4425	0.039	1400
SDWL2012CP13N □ STF	13	G,J	91	250/500	4100	0.039	1400
SDWL2012CP18N □ STF	18	G,J	95	250/500	3650	0.05	1200
SDWL2012CP33N □ STF	33	G,J	100	250/500	2410	0.087	1100
SDWL2012CP47N □ STF	47	G,J	105	200/500	2170	0.093	1000
SDWL2012CP56N □ STF	56	G,J	100	200/500	1815	0.122	950
SDWL2012CP82N □ STF	82	G,J	103	150/500	1525	0.168	820
SDWL2012CPR10 □ STF	100	G,J	100	150/500	1400	0.22	720
SDWL2012CPR12 □ STF	120	G,J	80	150/250	1265	0.293	620
SDWL2012CPR15 □ STF	150	G,J	80	100/250	1150	0.288	600
SDWL2012CPR16 □ STF	160	G,J	65	100/250	900	0.300	400
SDWL2012CPR18 □ STF	180	G,J	77	100/250	1025	0.374	540
SDWL2012CPR22 □ STF	220	G,J	75	100/250	930	0.426	500
SDWL2012CPR27 □ STF	270	G,J	75	100/250	830	0.754	420
SDWL2012CPR33 □ STF	330	G,J	54	100/100	770	1.004	360
SDWL2012CPR39 □ STF	390	G,J	52	100/100	700	1.11	330
SDWL2012CPR43 □ STF	430	G,J	46	100/100	680	1.488	300
SDWL2012CPR47 □ STF	470	G,J	52	50/100	640	1.559	280
SDWL2012CPR51 □ STF	510	G,J	47	25/100	600	1.600	240
SDWL2012CPR56 □ STF	560	G,J	46	25/100	550	2.067	240
SDWL2012CPR62 □ STF	620	G,J	43	25/100	500	2.100	210
SDWL2012CPR68 □ STF	680	G,J	46	25/100	535	2.355	210
SDWL2012CPR82 □ STF	820	G,J	50	25/100	485	3.945	180

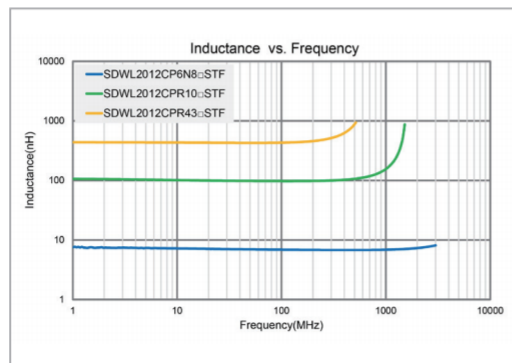
※: 请参阅“射频电感器的测量注意事项”。

※: Please refer to "Measurement Notice For RF Inductors".

电气特性 Typical Electrical Characteristics

SDWL2012CP TYPE

Inductance vs. Frequency Characteristics



Q vs. Frequency Characteristics

