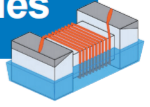


Wire Wound Chip Ceramic Inductor –SDWL–CP Series



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

Features

- ◆ Small chip suitable for surface mounting
- ◆ High Q value and high self-resonant frequency with ceramic material
- ◆ Tight inductance tolerance and stable inductance at high frequency
- ◆ Lower DCR, higher Q and larger current than SDWL-C series

Applications

- ◆ High frequency circuit in telecommunication and other equipments
- ◆ Mobile phones and other electronic devices
- ◆ Bluetooth, W-LAN, Broadband network

Product Identification

1	2	3	4	5	6	7	8	9
SDWL	2012	C	P	11N	J	S	T	F
1 Type		2 External Dimensions		3 Material Code				
SDWL Wire Wound Chip Inductor		2012 [0805] 2.4×1.8		C Ceramic				
4 Feature Type		5 Nominal Inductance		6 Inductance Tolerance				
P Large Current & High Q		Example Nominal Value		G ±2%				
		11N 11nH		J ±5%				
		R10 100nH						
7 Feature Type		8 Packing		9 Hazardous Substance Free Products				
S Sn Plating Five-faces Coating		T Tape & Reel		F				

Specifications

SDWL2012CP TYPE

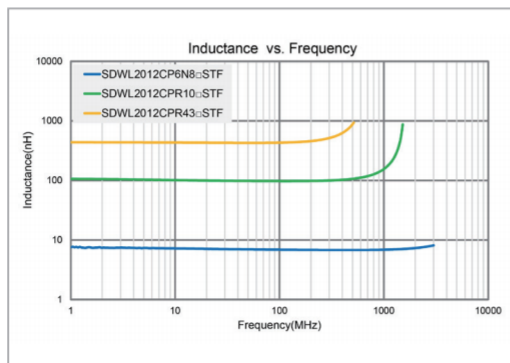
Part Number	Inductance	Tolerance	Quality Factor Typ.	L/Q Test Freq.	Min.Self-resonant Frequency	Max. DC Resistance	Max. Rated Current
Units	nH	-	-	MHz	MHz	Ω	mA
Symbol	L	-	Q	Freq.	S.R.F	DCR	I _r
SDWL2012CP2N6 □ STF	2.6	J	100	250/1500	9500	0.015	2000
SDWL2012CP6N2 □ STF	6.2	J	104	250/1000	7200	0.027	1500
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

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

Typical
Electrical
Characteristics

SDWL2012CP TYPE

Inductance vs. Frequency Characteristics



Q vs. Frequency Characteristics

