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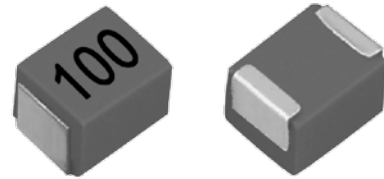


## SMD SERIES

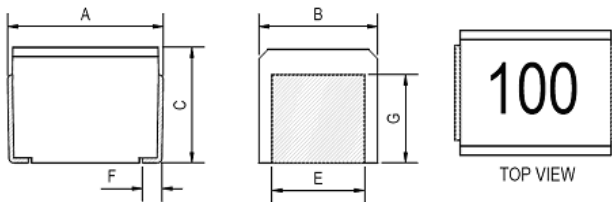
### WIRE WOUND SMD CHIP INDUCTORS

#### Applications :

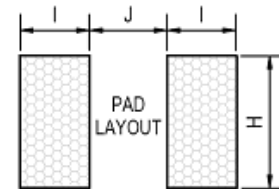
- DSC, DVC products.
- PCs, hard disk drives and computer peripherals.
- Telecommunications devices.
- TV circuits.
- Test equipment.



#### Shape and Dimensions (Dimensions are in mm) :



Item	A	B	C	E	F	G
SMD2520V(P)	2.5±0.2	2.0±0.2	1.8±0.2	1.4±0.1	0.4	1.4
SMD3225V(P)	3.2±0.2	2.5±0.2	2.2±0.2	1.9±0.1	0.4	1.6



Item	H	I	J
SMD2520V(P)	1.5	1.0	1.5
SMD3225V(P)	2.0	1.0	2.0

#### Features :

- Wire wound SMD inductors .
- Highly accurate dimensions and reliable performance.
- SMD2520V/ 3225V are high Q-characteristic achieved in the miniature winding construction.
- SMD2520VP / 3225VP / 3225VH are low R<sub>dc</sub> higher current for the power supply line applications.
- Excellent heat durability that withstands lead-free compatible reflow soldering conditions.

#### Characteristics :

- Rated Current : It is either the inductance is 20% lower is than its initial value in DC saturation characteristics or temperature rise becomes  $\Delta T=20^{\circ}\text{C}$  ( $T_a=20^{\circ}\text{C}$ ) whichever lower.
- Operating temperature :  $-40^{\circ}\text{C}$  to  $105^{\circ}\text{C}$  (Including self-temperature rise).

#### Product identification :

**SMD 3225 V P - 100 K**

(1) (2) (3) (4) (5) (6)

(1) Type : **Surface Mount Devices**.

(2) Style : **L=3.2 mm W=2.5mm Ht=2.2mm**.

(3) "V" : **Vertical Structure**.

(4) "P" : For **Power Line**. "H": **High current**.

(5) Inductance : **100** for **10** uH.

(6) Inductance tolerance: **J:±5%; K:±10%; M:±20%**.

#### Test equipments :

- Inductance measured at 0Adc on HP 4284A LCR meter or equivalent.
- DCR measured on Chroma 16502 micro-Ωmeter or equivalent.
- Electrical specifications at  $25^{\circ}\text{C}$ .

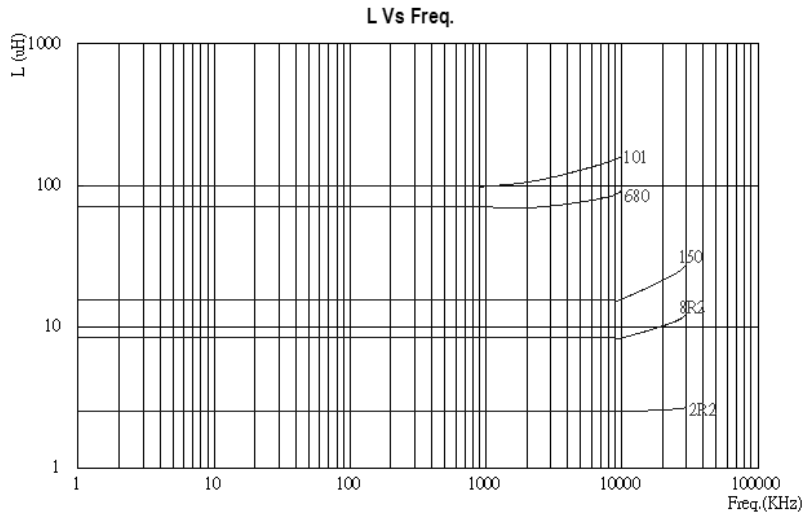


● **SMD 2520V series**

Part No.	Inductance		Q Min.	Test Freq. MHz	SRF (MHz) Min.	DCR (Ω) Max.	Rated Current (mA) Max.
	(uH)	Tolerance					
SMD2520V-R12□	0.12	M,K	30	25.2	500	0.22	550
SMD2520V-R15□	0.15	M,K	30	25.2	450	0.25	500
SMD2520V-R18□	0.18	M,K	30	25.2	400	0.29	460
SMD2520V-R22□	0.22	M,K	30	25.2	300	0.30	430
SMD2520V-R27□	0.27	M,K	30	25.2	280	0.33	420
SMD2520V-R33□	0.33	M,K	30	25.2	260	0.39	400
SMD2520V-R39□	0.39	M,K	30	25.2	240	0.40	375
SMD2520V-R47□	0.47	M,K	30	25.2	210	0.44	350
SMD2520V-R56□	0.56	M,K	30	25.2	190	0.49	325
SMD2520V-R68□	0.68	M,K	30	25.2	170	0.52	300
SMD2520V-R82□	0.82	M,K	30	25.2	150	0.61	260
SMD2520V-1R0□	1.0	M,K	30	7.96	150	0.75	245
SMD2520V-1R2□	1.2	M,K	30	7.96	130	0.87	230
SMD2520V-1R5□	1.5	M,K	30	7.96	120	1.00	220
SMD2520V-1R8□	1.8	M,K	30	7.96	110	1.10	210
SMD2520V-2R2□	2.2	M,K	30	7.96	105	1.30	200
SMD2520V-2R7□	2.7	M,K	30	7.96	70	1.40	195
SMD2520V-3R3□	3.3	M,K	30	7.96	55	1.60	185
SMD2520V-3R9□	3.9	K,J	30	7.96	48	1.70	180
SMD2520V-4R7□	4.7	K,J	30	7.96	43	1.90	175
SMD2520V-5R6□	5.6	K,J	30	7.96	42	2.20	170
SMD2520V-6R8□	6.8	K,J	30	7.96	39	2.40	165
SMD2520V-8R2□	8.2	K,J	30	7.96	36	2.60	160
SMD2520V-100□	10	K,J	25	2.52	33	2.20	155
SMD2520V-120□	12	K,J	25	2.52	30	2.50	150
SMD2520V-150□	15	K,J	25	2.52	26	2.80	140
SMD2520V-180□	18	K,J	25	2.52	22	3.20	130
SMD2520V-220□	22	K,J	25	2.52	21	3.60	125
SMD2520V-270□	27	K,J	25	2.52	19	4.30	115
SMD2520V-330□	33	K,J	25	2.52	17	4.70	110
SMD2520V-390□	39	K,J	25	2.52	15	8.10	85
SMD2520V-470□	47	K,J	25	2.52	14	8.80	80
SMD2520V-560□	56	K,J	25	2.52	13	10.0	75
SMD2520V-680□	68	K,J	25	2.52	12	11.5	70
SMD2520V-820□	82	K,J	25	2.52	11	12.5	65
SMD2520V-101□	100	K,J	15	0.796	10	13.0	60



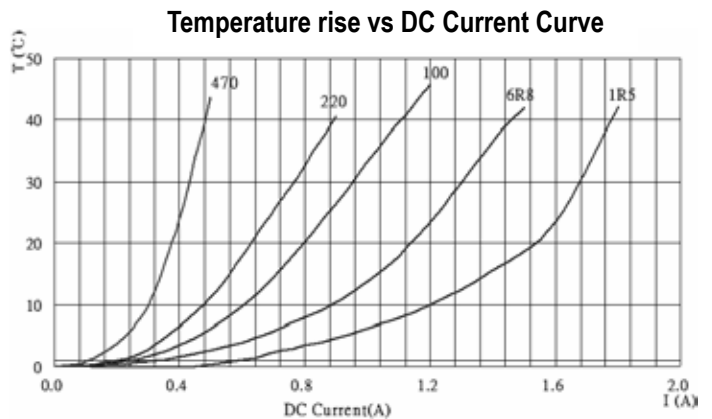
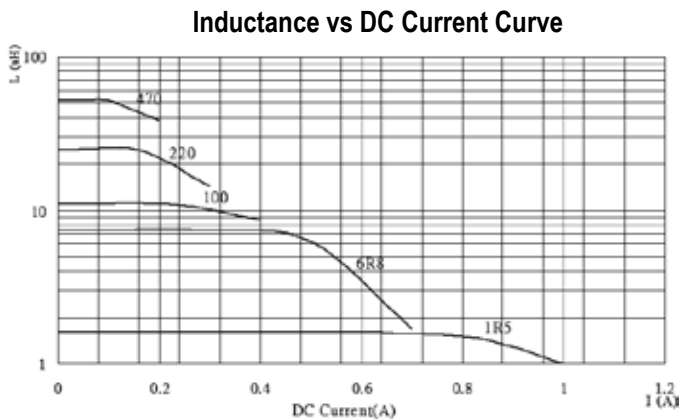
Typical performance curves :



● **SMD 2520VP series**

Part No.	Inductance		Q Ref.	Test Freq. MHz	SRF (MHz) Min.	DCR (Ω)		Rated Current (mA) Max.
	(uH)	Tolerance				Max.		
SMD2520VP -1R0□	1.0	M,K	20	7.96	130	0.30		480
SMD2520VP -1R5□	1.5	M,K	20	7.96	95	0.38		435
SMD2520VP -2R2□	2.2	M,K	20	7.96	75	0.44		390
SMD2520VP -3R3□	3.3	M,K	20	7.96	60	0.57		340
SMD2520VP -4R7□	4.7	M,K	20	7.96	50	0.68		310
SMD2520VP -6R8□	6.8	K,J	20	7.96	40	0.89		295
SMD2520VP -100□	10	K,J	30	2.52	33	1.1		220
SMD2520VP -150□	15	K,J	30	2.52	28	1.7		180
SMD2520VP -220□	22	K,J	30	2.52	23	2.5		160
SMD2520VP -330□	33	K,J	30	2.52	18	3.8		130
SMD2520VP -470□	47	K,J	30	2.52	15	5.4		100

Typical performance curves :

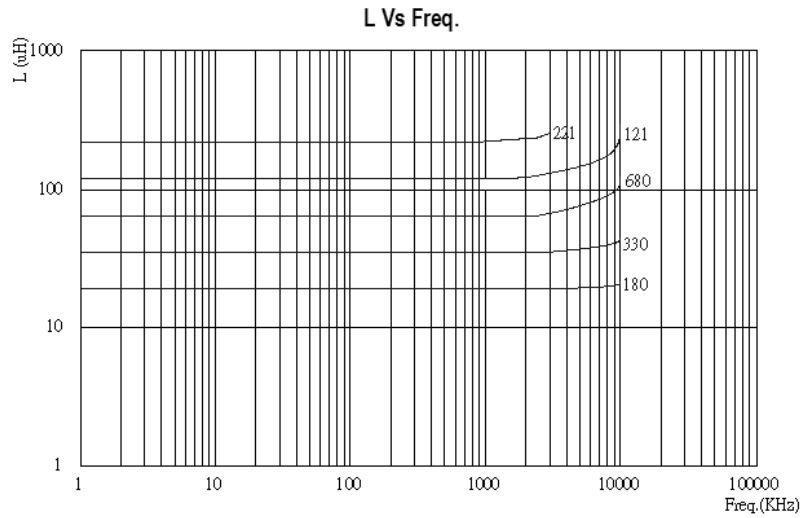



**● SMD 3225V series**

Part No.	Inductance		Q Min.	Test Freq. MHz	SRF ( MHz ) Min.	DCR ( Ω ) Max.	Rated Current (mA) Max.
	(uH)	Tolerance					
SMD3225V -R12□	0.12	M,K	30	25.2	500	0.22	450
SMD3225V -R15□	0.15	M,K	30	25.2	450	0.25	450
SMD3225V -R18□	0.18	M,K	30	25.2	400	0.28	450
SMD3225V -R22□	0.22	M,K	30	25.2	320	0.32	450
SMD3225V -R27□	0.27	M,K	30	25.2	320	0.36	450
SMD3225V -R33□	0.33	M,K	30	25.2	300	0.40	450
SMD3225V -R39□	0.39	M,K	30	25.2	180	0.45	450
SMD3225V -R47□	0.47	M,K	30	25.2	180	0.50	450
SMD3225V -R56□	0.56	M,K	30	25.2	180	0.55	450
SMD3225V -R68□	0.68	M,K	30	25.2	160	0.60	450
SMD3225V -R82□	0.82	M,K	30	25.2	140	0.65	450
SMD3225V -1R0□	1.0	M,K	30	7.96	120	0.70	400
SMD3225V -1R2□	1.2	M,K	30	7.96	100	0.75	390
SMD3225V -1R5□	1.5	M,K	30	7.96	85	0.85	370
SMD3225V -1R8□	1.8	M,K	30	7.96	80	0.90	350
SMD3225V -2R2□	2.2	K,J	30	7.96	75	1.0	320
SMD3225V -2R7□	2.7	K,J	30	7.96	70	1.1	290
SMD3225V -3R3□	3.3	K,J	30	7.96	60	1.2	260
SMD3225V -3R9□	3.9	K,J	30	7.96	55	1.3	250
SMD3225V -4R7□	4.7	K,J	30	7.96	50	1.5	220
SMD3225V -5R6□	5.6	K,J	30	7.96	45	1.6	200
SMD3225V -6R8□	6.8	K,J	30	7.96	40	1.8	180
SMD3225V -8R2□	8.2	K,J	30	7.96	35	2.0	170
SMD3225V -100□	10	K,J	30	2.52	30	2.1	150
SMD3225V -120□	12	K,J	30	2.52	20	2.5	140
SMD3225V -150□	15	K,J	30	2.52	20	2.8	130
SMD3225V -180□	18	K,J	30	2.52	20	3.3	120
SMD3225V -220□	22	K,J	30	2.52	20	3.7	110
SMD3225V -270□	27	K,J	30	2.52	20	5.0	80
SMD3225V -330□	33	K,J	30	2.52	17	5.6	70
SMD3225V -390□	39	K,J	30	2.52	16	6.4	65
SMD3225V -470□	47	K,J	30	2.52	15	7.0	60
SMD3225V -560□	56	K,J	30	2.52	13	8.0	55
SMD3225V -680□	68	K,J	30	2.52	12	9.0	50
SMD3225V -820□	82	K,J	30	2.52	11	10	45
SMD3225V -101□	100	K,J	20	0.796	10	10	40
SMD3225V -121□	120	K,J	20	0.796	10	11	70
SMD3225V -151□	150	K,J	20	0.796	8	15	65
SMD3225V -181□	180	K,J	20	0.796	7	17	60
SMD3225V -221□	220	K,J	20	0.796	7	21	50



Typical performance curves :



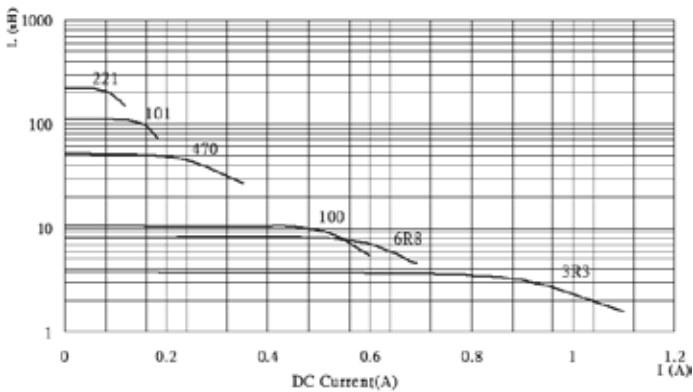
● **SMD 3225VP series**

Part No.	Inductance		Q Ref.	Test Freq. MHz	SRF (MHz) Min.	DCR (Ω) Max.	Rated Current (mA) Max.
	(uH)	Tolerance					
SMD3225VP -1R0□	1.0	M,K	10	7.96	100	0.10	1000
SMD3225VP -1R5□	1.5	M,K	10	7.96	80	0.14	830
SMD3225VP -2R2□	2.2	M,K	10	7.96	68	0.17	770
SMD3225VP -3R3□	3.3	M,K	10	7.96	54	0.21	690
SMD3225VP -4R7□	4.7	K,J	15	7.96	46	0.26	620
SMD3225VP -6R8□	6.8	K,J	15	7.96	38	0.35	530
SMD3225VP -100□	10	K,J	15	2.52	30	0.47	450
SMD3225VP -150□	15	K,J	15	2.52	26	0.73	370
SMD3225VP -220□	22	K,J	15	2.52	21	1.00	300
SMD3225VP -330□	33	K,J	15	2.52	17	1.43	240
SMD3225VP -470□	47	K,J	15	2.52	14	2.10	180
SMD3225VP -680□	68	K,J	15	2.52	12	3.60	140
SMD3225VP -101□	100	K,J	15	0.796	10	4.80	120
SMD3225VP -151□	150	K,J	20	0.796	8.0	7.90	100
SMD3225VP -221□	220	K,J	20	0.796	7.0	10.9	80
SMD3225VP -331□	330	K,J	20	0.796	6.0	16.0	70
SMD3225VP -471□	470	K,J	20	0.796	4.0	28.6	50
SMD3225VP -681□	680	K,J	20	0.796	3.0	36.4	40

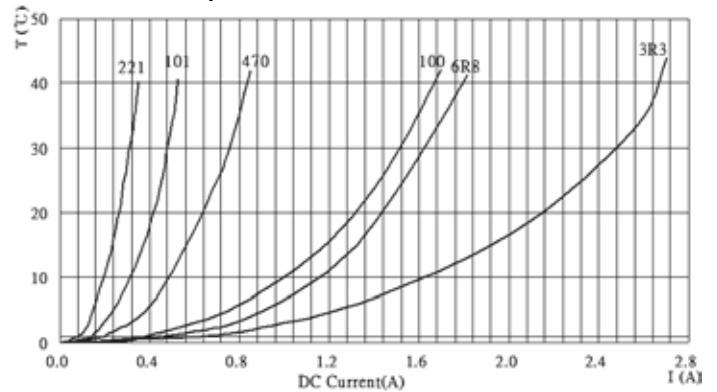


Typical performance curves :

Inductance vs DC Current Curve



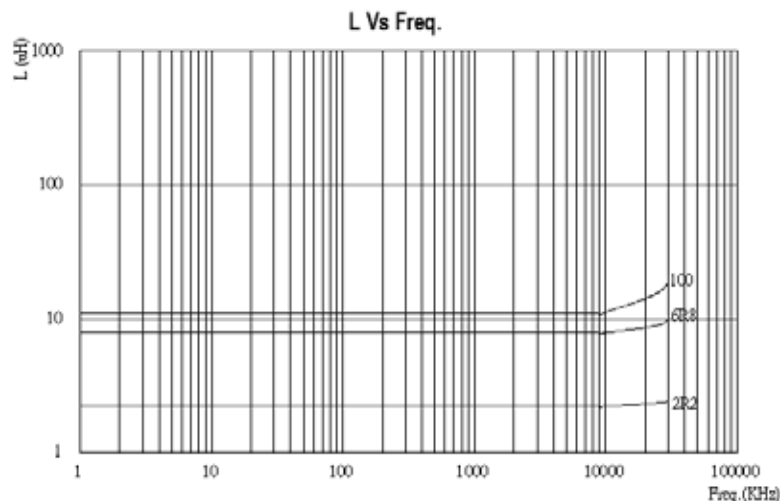
Temperature rise vs DC Current Curve



● SMD 3225VH series

Part No.	Inductance		Q Ref.	Test Freq. MHz	SRF (MHz) Min.	DCR (Ω)		Rated Current (mA) Max.
	(uH)	Tolerance				Max.		
SMD3225VH -R15□	0.15	M	10	25.2	400	0.029		2600
SMD3225VH -R22□	0.22	M	10	25.2	350	0.033		2400
SMD3225VH -R27□	0.27	M	10	25.2	300	0.033		2200
SMD3225VH -R33□	0.33	M	10	25.2	250	0.042		2100
SMD3225VH -R47□	0.47	M	10	25.2	200	0.045		2000
SMD3225VH -R68□	0.68	M	10	25.2	150	0.054		1900
SMD3225VH -1R0□	1.0	M	15	7.96	100	0.066		1700
SMD3225VH -1R5□	1.5	M	15	7.96	80	0.114		1400
SMD3225VH 2R2□	2.2	M	15	7.96	68	0.138		1200
SMD3225VH -3R3□	3.3	M	15	7.96	54	0.192		1000
SMD3225VH -4R7□	4.7	M	15	7.96	46	0.24		900
SMD3225VH -6R8□	6.8	M	15	7.96	38	0.348		700
SMD3225VH -100□	10	K	15	2.52	30	0.504		600

Typical performance curves :



\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details ( characteristics graph, reliability, and others), kindly invite you to access 3L official website [www.3lcoil.com](http://www.3lcoil.com) for better known.



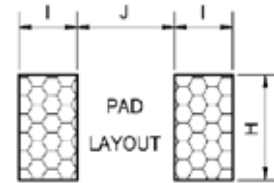
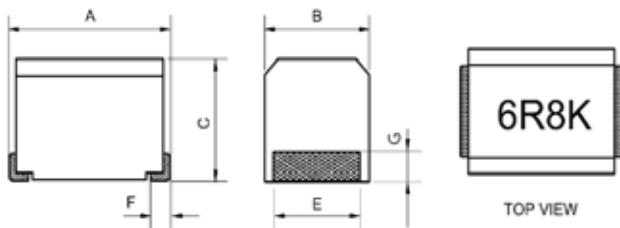
## SMD SERIES

### WIRE WOUND SMD CHIP INDUCTORS

#### Applications :

- Communication infrastructures Including xDSL and mobile base stations.
- Onboard automobile equipment Including car audio and ECU systems.
- Audio-visual equipment including TVs and VCRs.
- Other electronic equipment including HDDs and ODDs.

#### Shape and Dimensions (Dimensions are in mm) :



Item	A	B	C	E	F	G	H	I	J
SMD4532V(P)	4.5±0.3	3.2±0.2	3.2±0.2	2.6±0.1	0.5	0.8	2.8	1.5	3.0
SMD5650V	5.6±0.3	5.0±0.2	4.0±0.3	4.0±0.1	0.7±0.1	1.1	4.5	2.0	4.0
SMD5650VL	5.6±0.3	5.0±0.2	3.0±0.2	4.0±0.1	0.7±0.1	1.1	4.5	2.0	4.0

#### Features :

- Wire wound SMD inductors .
- Highly accurate dimensions and reliable performance
- SMD4532VP / SMD5650V are low R<sub>dc</sub>, higher current for the power supply line applications.
- SMD5650VL is low size type, the specification is similar as the Unshielder power inductors – SMTDR0402 type.
- Good heat durability that withstands lead-free compatible reflow soldering conditions.

#### Characteristics :

- Rated Current: It is either the inductance is 25% lower is than its initial value in DC. saturation characteristics or temperature rise becomes  $\Delta T=20^{\circ}\text{C}$  ( $T_a=20^{\circ}\text{C}$ ) whichever lower.
- Operating temperature :  $-40^{\circ}\text{C}$  to  $105^{\circ}\text{C}$  (Including self-temperature rise).

#### Product identification :

**SMD 4532 V P - 100 K**

(1) (2) (3) (4) (5) (6)

(1) Type : **Surface Mount Devices.**

(2) Style : **L=4.5 mm W=3.2mm Ht=3.2mm.**

(3) "V": Vertical Structure.

(4) "P": For Power Line. "L" : Low size.

(5) Inductance : **100** for **10** uH.

(6) Inductance tolerance: **J** : ±5%; **K** : ±10%;

**M** : ±20%.

#### Test equipments :

- Inductance measured at 0Adc on HP 4284A LCR meter or equivalent.
- DCR measured on Chroma 16502 micro-Ωmeter or equivalent.
- Electrical specifications at 25°C.



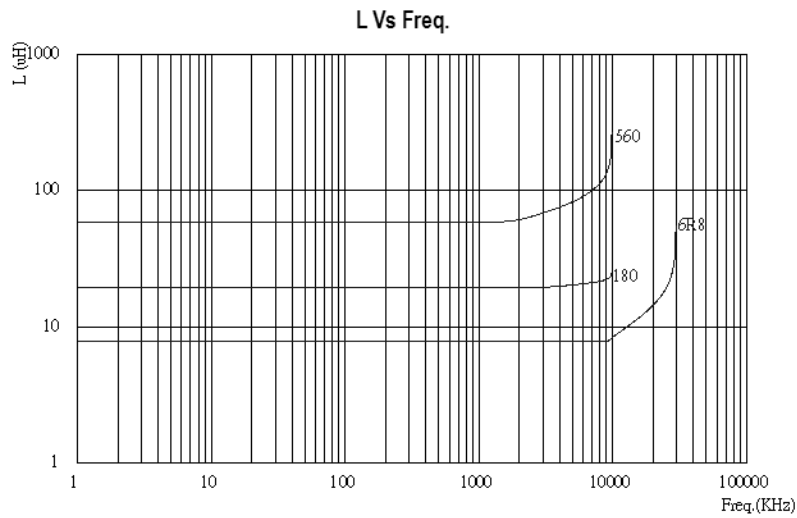


● **SMD 4532V series**

Part No.	Inductance		Q Min.	Test Freq. MHz	SRF (MHz) Min.	DCR (Ω) Max.	Rated Current (mA) Max.
	(uH)	Tolerance					
SMD4532V -R10□	0.10	M,K	35	25.2	300	0.18	800
SMD4532V -R12□	0.12	M,K	35	25.2	280	0.20	770
SMD4532V -R15□	0.15	M,K	35	25.2	250	0.22	730
SMD4532V -R18□	0.18	M,K	35	25.2	220	0.24	700
SMD4532V -R22□	0.22	M,K	40	25.2	200	0.25	665
SMD4532V -R27□	0.27	M,K	40	25.2	180	0.26	635
SMD4532V -R33□	0.33	M,K	40	25.2	165	0.28	605
SMD4532V -R39□	0.39	M,K	40	25.2	150	0.30	575
SMD4532V -R47□	0.47	M,K	40	25.2	145	0.32	545
SMD4532V -R56□	0.56	M,K	40	25.2	140	0.36	520
SMD4532V -R68□	0.68	M,K	40	25.2	135	0.40	500
SMD4532V -R82□	0.82	M,K	40	25.2	130	0.45	475
SMD4532V -1R0□	1.0	M,K	50	7.96	100	0.50	450
SMD4532V -1R2□	1.2	M,K	50	7.96	80	0.55	430
SMD4532V -1R5□	1.5	M,K	50	7.96	70	0.60	410
SMD4532V -1R8□	1.8	M,K	50	7.96	60	0.65	390
SMD4532V -2R2□	2.2	M,K	50	7.96	55	0.70	380
SMD4532V -2R7□	2.7	M,K	50	7.96	50	0.75	370
SMD4532V -3R3□	3.3	M,K	50	7.96	45	0.80	355
SMD4532V -3R9□	3.9	M,K	50	7.96	40	0.90	330
SMD4532V -4R7□	4.7	M,K	50	7.96	35	1.0	315
SMD4532V -5R6□	5.6	K,J	50	7.96	33	1.1	300
SMD4532V -6R8□	6.8	K,J	50	7.96	27	1.2	285
SMD4532V -8R2□	8.2	K,J	50	7.96	23	1.4	270
SMD4532V -10□	10	K,J	50	2.52	20	1.5	250
SMD4532V -12□	12	K,J	50	2.52	18	2.0	225
SMD4532V -15□	15	K,J	50	2.52	17	2.5	200
SMD4532V -18□	18	K,J	50	2.52	15	2.8	190
SMD4532V -22□	22	K,J	50	2.52	13	3.2	180
SMD4532V -27□	27	K,J	50	2.52	12	3.6	170
SMD4532V -33□	33	K,J	50	2.52	11	4.0	160
SMD4532V -39□	39	K,J	50	2.52	10	4.5	150
SMD4532V -47□	47	K,J	50	2.52	10	5.0	140
SMD4532V -56□	56	K,J	50	2.52	9.0	5.5	135
SMD4532V -68□	68	K,J	50	2.52	9.0	6.0	130
SMD4532V -82□	82	K,J	50	2.52	8.0	7.0	120
SMD4532V -101□	100	K,J	40	0.796	8.0	8.0	110
SMD4532V -121□	120	K,J	40	0.796	6.0	8.0	110
SMD4532V -151□	150	K,J	40	0.796	5.0	9.0	105
SMD4532V -181□	180	K,J	40	0.796	5.0	9.5	105
SMD4532V -221□	220	K,J	40	0.796	4.0	10	100
SMD4532V -271□	270	K,J	40	0.796	4.0	12	92
SMD4532V -331□	330	K,J	40	0.796	3.5	14	85
SMD4532V -391□	390	K,J	40	0.796	3.0	16	80

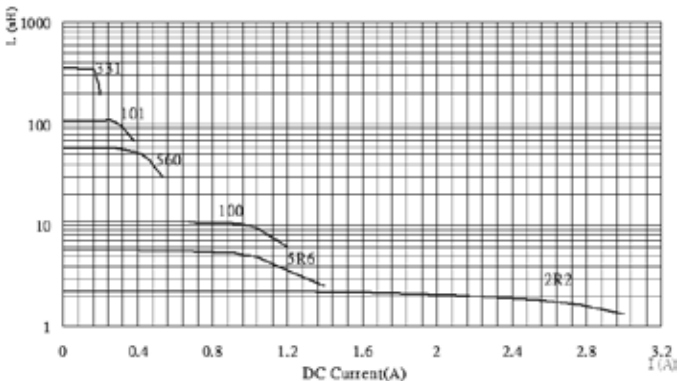
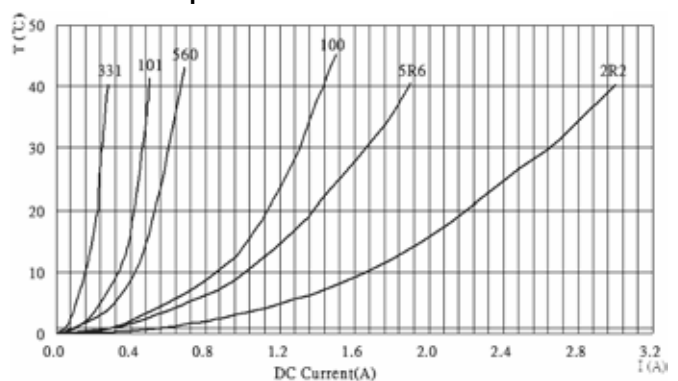

**● SMD 4532V series**

Part No.	Inductance		Q Min.	Test Freq. MHz	SRF (MHz) Min.	DCR (Ω)		Rated Current (mA) Max.
	(uH)	Tolerance				Max.		
SMD4532V -471□	470	K,J	40	0.796	3.0	26		62
SMD4532V- 561□	560	K,J	40	0.796	3.0	30		50
SMD4532V -681□	680	K,J	40	0.796	3.0	30		50
SMD4532V -821□	820	K,J	40	0.796	2.5	35		30
SMD4532V -102□	1000	K,J	20	0.252	2.5	40		30

**Typical performance curves :**



**● SMD 4532VP series**

Part No.	Inductance		Q Min.	Test Freq. MHz	SRF (MHz) Min.	DCR (Ω) Max.	Rated Current (mA) Max.
	(uH)	Tolerance					
SMD4532VP -1R0□	1.0	M,K	10	7.96	100	0.11	1050
SMD4532VP -1R2□	1.2	M,K	10	7.96	90	0.12	1000
SMD4532VP -1R5□	1.5	M,K	10	7.96	80	0.15	950
SMD4532VP -1R8□	1.8	M,K	10	7.96	70	0.16	900
SMD4532VP -2R2□	2.2	M,K	10	7.96	65	0.18	850
SMD4532VP -2R7□	2.7	M,K	10	7.96	60	0.20	800
SMD4532VP -3R3□	3.3	M,K	10	7.96	45	0.22	750
SMD4532VP -3R9□	3.9	M,K	10	7.96	40	0.24	700
SMD4532VP -4R7□	4.7	K,J	10	7.96	35	0.27	650
SMD4532VP -5R6□	5.6	K,J	10	7.96	30	0.30	650
SMD4532VP -6R8□	6.8	K,J	10	7.96	28	0.35	600
SMD4532VP -8R2□	8.2	K,J	10	7.96	25	0.4	600
SMD4532VP -100□	10	K,J	10	2.52	22	0.5	550
SMD4532VP -120□	12	K,J	10	2.52	21	0.6	500
SMD4532VP -150□	15	K,J	10	2.52	20	0.7	450
SMD4532VP -180□	18	K,J	10	2.52	19	0.8	400
SMD4532VP -220□	22	K,J	10	2.52	18	0.9	370
SMD4532VP -270□	27	K,J	10	2.52	16	1.2	330
SMD4532VP -330□	33	K,J	10	2.52	14	1.4	300
SMD4532VP -390□	39	K,J	10	2.52	12	1.6	280
SMD4532VP -470□	47	K,J	10	2.52	11.5	1.9	260
SMD4532VP -560□	56	K,J	10	2.52	11.0	2.2	240
SMD4532VP -680□	68	K,J	10	2.52	10.0	2.6	220
SMD4532VP -820□	82	K,J	10	2.52	9.0	3.5	200
SMD4532VP -101□	100	K,J	20	0.796	8.0	4.0	180
SMD4532VP -121□	120	K,J	20	0.796	7.5	4.5	160
SMD4532VP -151□	150	K,J	20	0.796	7.0	6.5	140
SMD4532VP -181□	180	K,J	20	0.796	6.5	7.5	120
SMD4532VP -221□	220	K,J	20	0.796	5.5	9.0	120
SMD4532VP -271□	270	K,J	20	0.796	5.0	11	100
SMD4532VP -331□	330	K,J	20	0.796	4.0	13	90

**Typical performance curves :**
**Inductance vs DC Current Curve**

**Temperature rise vs DC Current Curve**




● **SMD 5650V series**

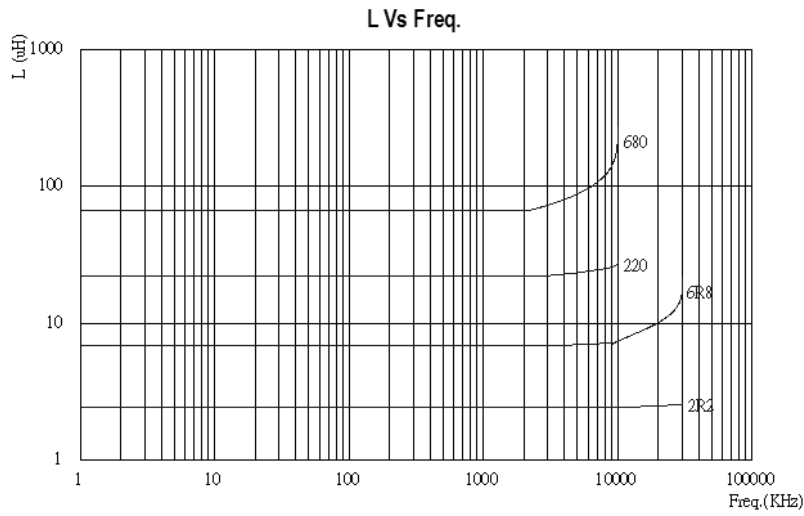
Part No.	Inductance		Q Min.	Test Freq. MHz	SRF (MHz) Min.	DCR (Ω) Max.	Rated Current (mA) Max.
	(μH)	Tolerance					
SMD5650V-1R0□	1.0	M,K	10	7.96	95	0.030	1800
SMD5650V-1R2□	1.2	M,K	10	7.96	70	0.035	1700
SMD5650V-1R5□	1.5	M,K	10	7.96	55	0.04	1600
SMD5650V-1R8□	1.8	M,K	10	7.96	47	0.05	1400
SMD5650V-2R2□	2.2	M,K	10	7.96	42	0.06	1300
SMD5650V-2R7□	2.7	M,K	10	7.96	37	0.07	1200
SMD5650V-3R3□	3.3	M,K	10	7.96	34	0.08	1120
SMD5650V-3R9□	3.9	M,K	10	7.96	32	0.09	1050
SMD5650V-4R7□	4.7	M,K	10	7.96	29	0.11	950
SMD5650V-5R6□	5.6	M,K	10	7.96	26	0.13	880
SMD5650V-6R8□	6.8	M,K	10	7.96	24	0.15	810
SMD5650V-8R2□	8.2	M,K	10	7.96	22	0.18	750
SMD5650V-100□	10	M,K	10	2.52	19	0.21	690
SMD5650V-120□	12	M,K	10	2.52	17	0.25	630
SMD5650V-150□	15	M,K	10	2.52	16	0.30	580
SMD5650V-180□	18	M,K	10	2.52	14	0.36	530
SMD5650V-220□	22	K,J	10	2.52	13	0.43	480
SMD5650V-270□	27	K,J	10	2.52	11.5	0.52	440
SMD5650V-330□	33	K,J	10	2.52	10.5	0.62	400
SMD5650V-390□	39	K,J	10	2.52	9.5	0.72	370
SMD5650V-470□	47	K,J	10	2.52	8.5	0.85	340
SMD5650V-560□	56	K,J	10	2.52	7.8	1.0	310
SMD5650V-680□	68	K,J	10	2.52	7.0	1.2	290
SMD5650V-820□	82	K,J	10	2.52	6.4	1.4	270
SMD5650V-101□	100	K,J	20	0.796	6.0	1.6	250
SMD5650V-121□	120	K,J	20	0.796	5.4	1.9	230
SMD5650V-151□	150	K,J	20	0.796	4.8	2.2	210
SMD5650V-181□	180	K,J	20	0.796	4.4	2.8	190
SMD5650V-221□	220	K,J	20	0.796	3.9	3.4	170
SMD5650V-271□	270	K,J	20	0.796	3.6	4.2	155
SMD5650V-331□	330	K,J	20	0.796	3.2	4.9	140
SMD5650V-391□	390	K,J	20	0.796	2.9	5.8	130
SMD5650V-471□	470	K,J	20	0.796	2.6	7.0	120
SMD5650V-561□	560	K,J	20	0.796	2.4	8.5	110
SMD5650V-681□	680	K,J	20	0.796	2.2	10	100
SMD5650V-821□	820	K,J	20	0.796	2.0	13	90
SMD5650V-102□	1000	K,J	20	0.252	1.8	15	85
SMD5650V-122□	1200	K,J	20	0.252	1.5	17	75
SMD5650V-152□	1500	K,J	20	0.252	1.4	20	70
SMD5650V-182□	1800	K,J	20	0.252	1.3	30	60
SMD5650V-222□	2200	K,J	20	0.252	1.2	35	55
SMD5650V-272□	2700	K,J	20	0.252	1.1	55	45
SMD5650V-332□	3300	K,J	20	0.252	1.0	60	40
SMD5650V-392□	3900	K,J	20	0.252	1.0	70	38
SMD5650V-472□	4700	K,J	20	0.252	0.9	78	36



● **SMD 5650V series**

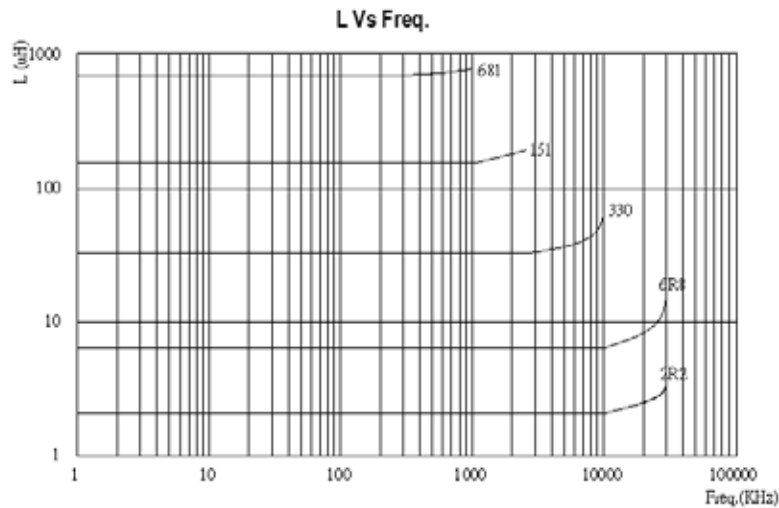
Part No.	Inductance		Q Min.	Test Freq. MHz	SRF (MHz) Min.	DCR (Ω) Max.	Rated Current (mA) Max.
	(uH)	Tolerance					
SMD5650V-562□	5600	K,J	20	0.252	0.8	85	33
SMD5650V-682□	6800	K,J	20	0.252	0.7	110	30
SMD5650V-822□	8200	K,J	20	0.252	0.6	125	28
SMD5650V-103□	10000	K,J	15	0.0796	0.5	150	25

Typical performance curves :




**● SMD 5650VL series**

Part No.	Inductance		Q Min.	Test Freq. MHz	SRF (MHz) Min.	DCR ( $\Omega$ ) Max.	Rated Current (mA) Max.
	( $\mu$ H)	Tolerance					
SMD5650VL-1R0□	1.0	M,K	10	0.10	130	0.05	2900
SMD5650VL-1R5□	1.5	M,K	10	0.10	115	0.05	2600
SMD5650VL-2R2□	2.2	M,K	10	0.10	90	0.07	2300
SMD5650VL-3R3□	3.3	M,K	10	0.10	70	0.08	2000
SMD5650VL-4R7□	4.7	M,K	10	0.10	50	0.09	1500
SMD5650VL-6R8□	6.8	M,K	10	0.10	45	0.13	1200
SMD5650VL-100□	10	M,K	10	0.10	35	0.16	1100
SMD5650VL-150□	15	M,K	10	0.10	30	0.23	900
SMD5650VL-220□	22	M,K	10	0.10	20	0.37	700
SMD5650VL-330□	33	M,K	10	0.10	15	0.51	580
SMD5650VL-470□	47	M,K	10	0.10	14	0.64	500
SMD5650VL-680□	68	M,K	10	0.10	11	0.86	400
SMD5650VL-101□	100	K,J	10	0.10	9.0	1.27	300
SMD5650VL-151□	150	K,J	10	0.10	6.0	2.00	250
SMD5650VL-221□	220	K,J	10	0.10	5.5	3.11	200
SMD5650VL-331□	330	K,J	10	0.10	5.0	3.80	160
SMD5650VL-471□	470	K,J	10	0.10	4.0	6.20	150
SMD5650VL-681□	680	K,J	10	0.10	3.0	9.20	120
SMD5650VL-102□	1000	K,J	10	0.10	2.0	13.8	70

**Typical performance curves :**


\* Due to the limited space, the catalogue shows the typical specifications only. For more specific details ( characteristics graph, reliability, and others), kindly invite you to access 3L official website [www.3lcoil.com](http://www.3lcoil.com) for better known.