Wire Wound SMD Chip Inductor

◆ FEATURES

1、Lead-free materials is used for the plating on the terminals.

2、The product uses metal terminals,which realize excellent connection reliability.

3、High resistance to heat,humidity,mechanical shocks and presser.Accurate dimensions for automatically surface mounted.

4、The product has good heat durability that withstands lead-free compatible reflow soldering conditions.

◆ Application

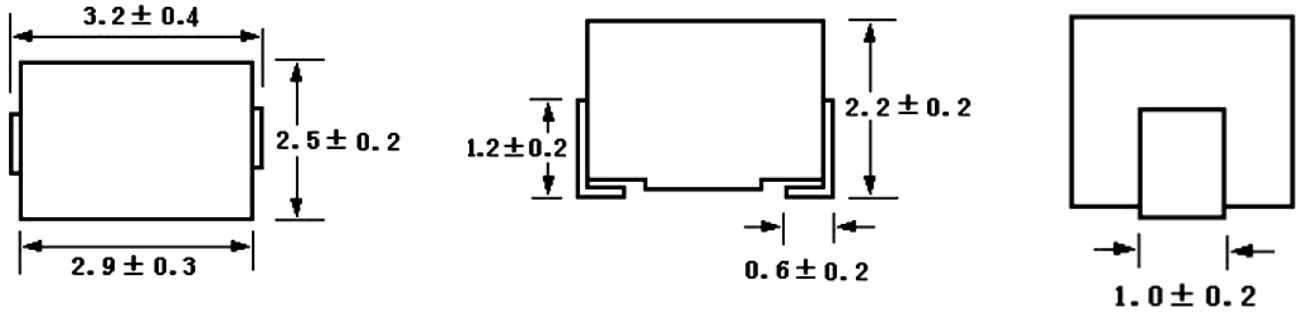
CMCW-M serials high reliable wire would chip inductors for communication , equipment , instrument , video & audio have been developen in response to the trend toward higher density mounting of parts in electric circuits.

◆ Lead Free Part Numbering

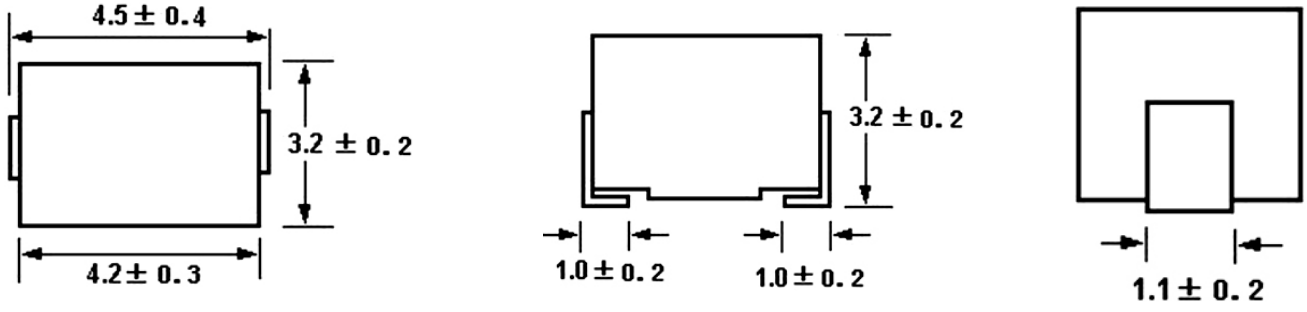
SCW	3225	M	4R7	K	T	T
(1)	(2)	(3)	(4)	(5)	(6)	(7)

(1) Series Type
(2) Dimension：L X W
(3) Material Code
(4) Inductance：2R2=2.2μH；
100=10μH；101=100μH
(5) Inductance Tolerance：
J=±5%, K=±10%, M=±20%
(6) Company Code
(7) Packaging：packed in embossed carrier tape

◆ SHAPE AND DIMENSIONS (unit：mm)



SCW3225M Series



SCW4532M Series

◆ Specifications

Part No.	Inductance (μH)	Inductance tolerance	Q min.	Test frequency L,Q (MHz)	Self-resonant frequency (MHz)min.	DC resistance (Ω)max.	Rated current. (mA)max.
SCW3225M Series							
SCW3225MR10(X)TT	0.10	±20,±10%	28	100	700	0.44	450
SCW3225MR12(X)TT	0.12	±20,±10%	30	25.2	500	0.22	450
SCW3225MR15(X)TT	0.15	±20,±10%	30	25.2	450	0.25	450
SCW3225MR18(X)TT	0.18	±20,±10%	30	25.2	400	0.28	450
SCW3225MR22(X)TT	0.22	±20,±10%	30	25.2	350	0.32	450
SCW3225MR27(X)TT	0.27	±20,±10%	30	25.2	320	0.36	450
SCW3225MR33(X)TT	0.33	±20,±10%	30	25.2	300	0.40	450
SCW3225MR39(X)TT	0.39	±20,±10%	30	25.2	250	0.45	450
SCW3225MR47(X)TT	0.47	±20,±10%	30	25.2	220	0.50	450
SCW3225MR56(X)TT	0.56	±20,±10%	30	25.2	180	0.55	450
SCW3225MR68(X)TT	0.68	±20,±10%	30	25.2	160	0.60	450
SCW3225MR82(X)TT	0.82	±20,±10%	30	25.2	140	0.65	450
SCW3225M1R0(X)TT	1.0	±10,±5%	30	7.96	120	0.70	400
SCW3225M1R2(X)TT	1.2	±10,±5%	30	7.96	100	0.75	390
SCW3225M1R5(X)TT	1.5	±10,±5%	30	7.96	85	0.85	370
SCW3225M1R8(X)TT	1.8	±10,±5%	30	7.96	80	0.90	350
SCW3225M2R2(X)TT	2.2	±10,±5%	30	7.96	75	1.00	320
SCW3225M2R7(X)TT	2.7	±10,±5%	30	7.96	70	1.10	290
SCW3225M3R3(X)TT	3.3	±10,±5%	30	7.96	60	1.20	260
SCW3225M3R9(X)TT	3.9	±10,±5%	30	7.96	55	1.30	250
SCW3225M4R7(X)TT	4.7	±10,±5%	30	7.96	50	1.50	220
SCW3225M5R6(X)TT	5.6	±10,±5%	30	7.96	45	1.60	200
SCW3225M6R8(X)TT	6.8	±10,±5%	30	7.96	40	1.80	180
SCW3225M8R2(X)TT	8.2	±10,±5%	30	7.96	35	2.00	170
SCW3225M100(X)TT	10	±10,±5%	30	2.52	30	2.10	150
SCW3225M120(X)TT	12	±10,±5%	30	2.52	20	2.50	140
SCW3225M150(X)TT	15	±10,±5%	30	2.52	20	2.80	130

◆ Specifications

Part No.	Inductance (μH)	Inductance tolerance	Q min.	Test frequency L,Q (MHz)	Self-resonant frequency (MHz)min.	DC resistance (Ω)max.	Rated current. (mA)max.
SCW3225M Series							
SCW3225M180(X)TT	18	±10,±5%	30	2.52	20	3.30	120
SCW3225M220(X)TT	22	±10,±5%	30	2.52	20	3.70	110
SCW3225M270(X)TT	27	±10,±5%	30	2.52	20	5.00	80
SCW3225M330(X)TT	33	±10,±5%	30	2.52	17	5.60	70
SCW3225M390(X)TT	39	±10,±5%	30	2.52	16	6.40	65
SCW3225M470(X)TT	47	±10,±5%	30	2.52	15	7.00	60
SCW3225M560(X)TT	56	±10,±5%	30	2.52	13	8.00	55
SCW3225M680(X)TT	68	±10,±5%	30	2.52	12	9.00	50
SCW3225M820(X)TT	82	±10,±5%	30	2.52	11	10.00	45
SCW3225M101(X)TT	100	±10,±5%	20	0.796	10	10.00	40
SCW3225M121(X)TT	120	±10,±5%	20	0.796	10	11.00	70
SCW3225M151(X)TT	150	±10,±5%	20	0.796	8	15.00	65
SCW3225M181(X)TT	180	±10,±5%	20	0.796	7	17.00	60
SCW3225M221(X)TT	220	±10,±5%	20	0.796	7	21.00	50
SCW4532M Series							
SCW4532MR10(X)TT	0.10	±10%,±20%	35	25.2	300	0.18	800
SCW4532MR12(X)TT	0.12	±10%,±20%	35	25.2	280	0.2	770
SCW4532MR15(X)TT	0.15	±10%,±20%	35	25.2	250	0.22	730
SCW4532MR18(X)TT	0.18	±10%,±20%	35	25.2	220	0.24	700
SCW4532MR22(X)TT	0.22	±10%,±20%	40	25.2	200	0.25	665
SCW4532MR27(X)TT	0.27	±10%,±20%	40	25.2	180	0.26	635
SCW4532MR33(X)TT	0.33	±10%,±20%	40	25.2	165	0.28	605
SCW4532MR39(X)TT	0.39	±10%,±20%	40	25.2	150	0.3	575
SCW4532MR47(X)TT	0.47	±10%,±20%	40	25.2	145	0.32	545
SCW4532MR56(X)TT	0.56	±10%,±20%	40	25.2	140	0.36	520
SCW4532MR68(X)TT	0.68	±10%,±20%	40	25.2	135	0.4	500
SCW4532MR82(X)TT	0.82	±10%,±20%	40	25.2	130	0.45	475

◆ Specifications

Part No.	Inductance (μH)	Inductance tolerance	Q min.	Test frequency L,Q (MHz)	Self-resonant frequency (MHz)min.	DC resistance (Ω)max.	Rated current. (mA)max.
SCW4532M Series							
SMCW4532M1R0(X)TT	1.0	±5%,±10%	50	7.96	100	0.5	450
SCW4532M1R2(X)TT	1.2	±5%,±10%	50	7.96	80	0.55	430
SCW4532M1R5(X)TT	1.5	±5%,±10%	50	7.96	70	0.6	410
SCW4532M1R8(X)TT	1.8	±5%,±10%	50	7.96	60	0.65	390
SCW4532M2R2(X)TT	2.2	±5%,±10%	50	7.96	55	0.7	380
SCW4532M2R7(X)TT	2.7	±5%,±10%	50	7.96	50	0.75	370
SCW4532M3R3(X)TT	3.3	±5%,±10%	50	7.96	45	0.8	355
SCW4532M3R9(X)TT	3.9	±5%,±10%	50	7.96	40	0.9	330
SCW4532M4R7(X)TT	4.7	±5%,±10%	50	7.96	35	1	315
SCW4532M5R6(X)TT	5.6	±5%,±10%	50	7.96	33	1.1	300
SCW4532M6R8(X)TT	6.8	±5%,±10%	50	7.96	27	1.2	285
SCW4532M8R2(X)TT	8.2	±5%,±10%	50	7.96	25	1.4	270
SCW4532M100(X)TT	10	±5%,±10%	50	2.52	20	1.6	250
SCW4532M120(X)TT	12	±5%,±10%	50	2.52	18	2	225
SCW4532M150(X)TT	15	±5%,±10%	50	2.52	17	2.5	200
SCW4532M180(X)TT	18	±5%,±10%	50	2.52	15	2.8	190
SCW4532M220(X)TT	22	±5%,±10%	50	2.52	13	3.2	180
SCW4532M270(X)TT	27	±5%,±10%	50	2.52	12	3.6	170
SCW4532M330(X)TT	33	±5%,±10%	50	2.52	11	4	160
SCW4532M390(X)TT	39	±5%,±10%	50	2.52	10	4.5	150
SCW4532M470(X)TT	47	±5%,±10%	50	2.52	10	5	140
SCW4532M560(X)TT	56	±5%,±10%	50	2.52	9	5.5	135
SCW4532M680(X)TT	68	±5%,±10%	50	2.52	9	6	130
SCW4532M820(X)TT	82	±5%,±10%	50	2.52	8	7	120
SCW4532M101(X)TT	100	±5%,±10%	40	0.796	8	8	110
SCW4532M121(X)TT	120	±5%,±10%	40	0.796	6	8	110
SCW4532M151(X)TT	150	±5%,±10%	40	0.796	5	9	105

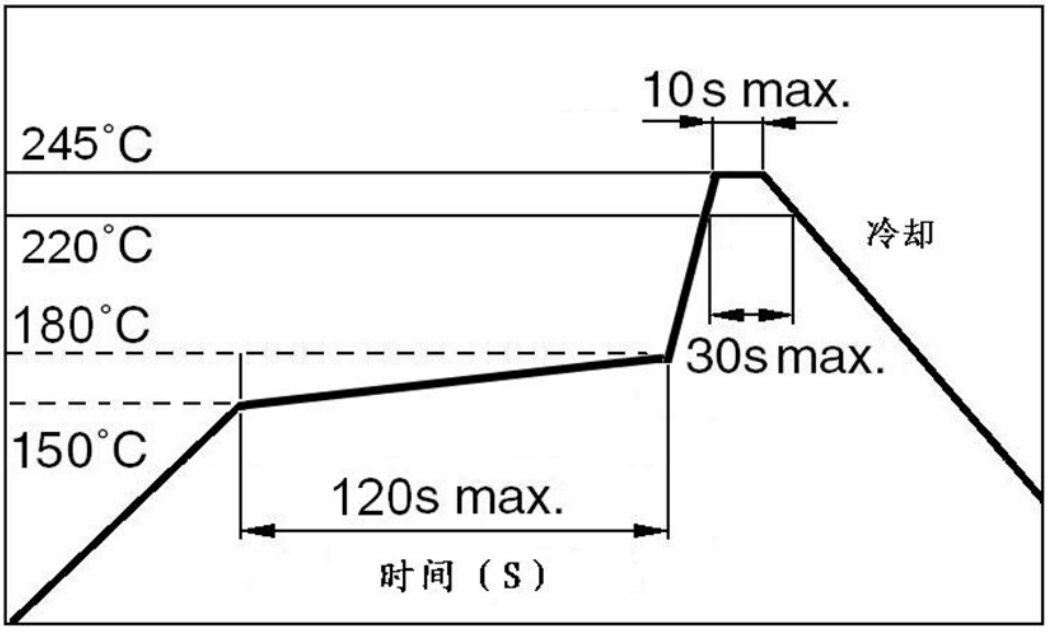
◆ Specifications

Part No.	Inductance (μH)	Inductance tolerance	Q min.	Test frequency L,Q (MHz)	Self-resonant frequency (MHz)min.	DC resistance (Ω)max.	Rated current. (mA)max.
SCW4532M Series							
SCW4532M181(X)TT	180	±5%,±10%	40	0.796	5	9.5	102
SCW4532M221(X)TT	220	±5%,±10%	40	0.796	4	10	100
SCW4532M271(X)TT	270	±5%,±10%	40	0.796	4	12	92
SCW4532M331(X)TT	330	±5%,±10%	40	0.796	3.5	14	85
SCW4532M391(X)TT	390	±5%,±10%	40	0.796	3	18	80
SCW4532M471(X)TT	470	±5%,±10%	40	0.796	3	26	62
SCW4532M561(X)TT	560	±5%,±10%	30	0.796	3	30	50
SCW4532M681(X)TT	680	±5%,±10%	30	0.796	3	30	50
SCW4532M821(X)TT	820	±5%,±10%	30	0.796	2.5	35	30
SCW4532M102(X)TT	1000	±5%,±10%	20	0.252	2.5	40	30

Note：

1、Rated current: Value obtained when current flows and the temperature has risen to 20°C or when DC current flows and the initial value of inductance has fallen by 10%, whichever is smaller.
2、Test equipment L, Q: HP4285A +16034E, or equivalent.
3、SRF: HP8753C NETWORK ANALYZER, or equivalent.
4、DC resistance: AX-111A DIGITAL MILLIOHM METER, or equivalent.

◆ Recommended soldering conditions reflow soldering



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