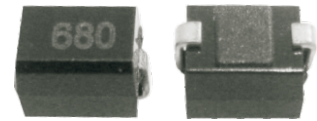


FEATURES

- The SEC, SEM Series were low resistance and high current, and Providing power line applications.
- Coils encapsulated in heat-proof resin and resistant to mechanical shock or pressure
- High resistance to heat and humidity
- Excellent solderability and heat resistance.



APPLICATIONS

- Microtelevisions, liquid crystal televisions, video cameras, portable VCRs, car stereos, thin type radio, television tuners, Mobil telephones, radio equipment, modules such as hybrid ICs.

PRODUCT IDENTIFICATION

SEC 3225 – 4R7 M – T

a b c d e

a : Series name

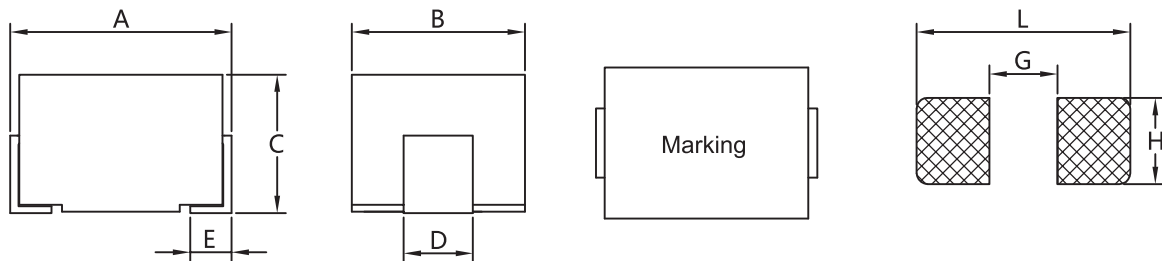
b : Product dimensions

c : Inductance Value (1R0:1.0uH; 100: 10uH; 101:100uH)

d : Inductance Tolerance (K:10% ; M:20% ; N:30%)

e : Packaging style (T: Taping; B: bulk)

SHAPES AND DIMENSIONS Unit: mm



Series	Dimensions(mm)							
	A	B	C	D	E	L	G	H
SEM3225	3.2±0.3	2.5±0.2	2.2±0.2	0.6 type.	1.0±0.2	4.40	2.0	1.2
SEM4532	4.5±0.3	3.2±0.2	3.2±0.2	1.2 type.	1.1±0.2	5.90	2.5	1.5
SEC3225	3.2±0.3	2.5±0.2	2.2±0.2	0.6 type.	1.0±0.2	4.40	2.2	1.2
SEC4532	4.5±0.3	3.2±0.2	3.2±0.2	1.2 type.	1.1±0.2	5.90	2.5	1.5

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Q min	Test Freq.(KHz)	DCR max.(Ω)	Irate.(mA)	SRF(MHz)
SEM3225-R10MT	0.10	28	100	0.44	450	700
SEM3225-R12MT	0.12	30	25.2	0.22	450	500
SEM3225-R15MT	0.15	30	25.2	0.25	450	450
SEM3225-R18MT	0.18	30	25.2	0.28	450	400
SEM3225-R22MT	0.22	30	25.2	0.32	450	350
SEM3225-R27MT	0.27	30	25.2	0.36	450	320
SEM3225-R33MT	0.33	30	25.2	0.40	450	300
SEM3225-R39MT	0.39	30	25.2	0.45	450	250
SEM3225-R47MT	0.47	30	25.2	0.50	450	220
SEM3225-R56MT	0.56	30	25.2	0.55	450	180
SEM3225-R68MT	0.68	30	25.2	0.60	450	160
SEM3225-R82MT	0.82	30	25.2	0.65	450	140
SEM3225-1R0MT	1.00	30	7.96	0.70	400	120
SEM3225-1R2MT	1.20	30	7.96	0.75	390	100
SEM3225-1R5MT	1.50	30	7.96	0.85	370	85
SEM3225-1R8MT	1.80	30	7.96	0.90	350	80
SEM3225-2R2MT	2.20	30	7.96	1.0	320	75
SEM3225-2R7MT	2.70	30	7.96	1.1	290	70
SEM3225-3R3MT	3.30	30	7.96	1.2	260	60
SEM3225-3R9MT	3.90	30	7.96	1.3	250	55
SEM3225-4R7MT	4.70	30	7.96	1.5	220	50
SEM3225-5R6MT	5.60	30	7.96	1.6	200	45
SEM3225-6R8MT	6.80	30	7.96	1.8	180	40
SEM3225-8R2MT	8.20	30	7.96	2.0	170	35
SEM3225-100KT	10.0	30	2.52	2.1	150	30
SEM3225-120KT	12.0	30	2.52	2.5	140	20
SEM3225-150KT	15.0	30	2.52	2.8	130	20
SEM3225-180KT	18.0	30	2.52	3.3	120	20
SEM3225-220KT	22.0	30	2.52	3.7	110	20
SEM3225-270KT	27.0	30	2.52	5.0	80	20
SEM3225-330KT	33.0	30	2.52	5.6	70	17
SEM3225-390KT	39.0	30	2.52	6.4	65	16
SEM3225-470KT	47.0	30	2.52	7	60	15
SEM3225-560KT	56.0	30	2.52	8	55	13
SEM3225-680KT	68.0	30	2.52	9	50	12
SEM3225-820KT	82.0	30	2.52	10	45	11
SEM3225-101KT	100	20	0.796	10	40	10
SEM3225-121KT	120	20	0.796	11	70	10
SEM3225-151KT	150	20	0.796	15	65	8

Note:

Irate: Based on inductance change($\Delta L/L_0 \leq 10\%$)@ambient temp.20°C

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Q min	Test Freq.(KHz)	DCR max.(Ω)	Irate.(mA)	SRF(MHz)
SEM4532-R10MT	0.10	35	25.2	0.18	800	300
SEM4532-R12MT	0.12	35	25.2	0.20	770	280
SEM4532-R15MT	0.15	35	25.2	0.22	730	250
SEM4532-R18MT	0.18	35	25.2	0.24	700	220
SEM4532-R22MT	0.22	40	25.2	0.25	665	200
SEM4532-R27MT	0.27	40	25.2	0.26	635	180
SEM4532-R33MT	0.33	40	25.2	0.28	605	165
SEM4532-R39MT	0.39	40	25.2	0.30	575	150
SEM4532-R47MT	0.47	40	25.2	0.32	545	145
SEM4532-R56MT	0.56	40	25.2	0.36	520	140
SEM4532-R68MT	0.68	40	25.2	0.40	500	135
SEM4532-R82MT	0.82	40	25.2	0.45	475	130
SEM4532-1R0MT	1.00	50	7.96	0.50	450	100
SEM4532-1R2MT	1.20	50	7.96	0.55	430	80
SEM4532-1R5MT	1.50	50	7.96	0.60	410	70
SEM4532-1R8MT	1.80	50	7.96	0.65	390	60
SEM4532-2R2MT	2.20	50	7.96	0.70	380	55
SEM4532-2R7MT	2.70	50	7.96	0.75	370	50
SEM4532-3R3MT	3.30	50	7.96	0.80	355	45
SEM4532-3R9MT	3.90	50	7.96	0.90	330	40
SEM4532-4R7MT	4.70	50	7.96	1.0	315	35
SEM4532-5R6MT	5.60	50	7.96	1.1	300	33
SEM4532-6R8MT	6.80	50	7.96	1.2	285	27
SEM4532-8R2MT	8.20	50	7.96	1.4	270	25
SEM4532-100KT	10.0	50	2.52	1.6	250	20
SEM4532-120KT	12.0	50	2.52	2.0	225	18
SEM4532-150KT	15.0	50	2.52	2.5	200	17
SEM4532-180KT	18.0	50	2.52	2.8	190	15
SEM4532-220KT	22.0	50	2.52	3.2	180	13
SEM4532-270KT	27.0	50	2.52	3.6	170	12
SEM4532-330KT	33.0	50	2.52	4.0	160	11
SEM4532-390KT	39.0	50	2.52	4.5	150	10
SEM4532-470KT	47.0	50	2.52	5.0	140	10
SEM4532-560KT	56.0	50	2.52	5.5	135	9
SEM4532-680KT	68.0	50	2.52	6.0	130	9
SEM4532-820KT	82.0	50	2.52	7.0	120	8
SEM4532-101KT	100	40	0.796	8.0	110	8
SEM4532-121KT	120	40	0.796	8.0	110	6
SEM4532-151KT	150	40	0.796	9.0	105	5

Note:

Irate: Based on inductance change($\Delta L/L0 \leq 10\%$)@ambient temp.20°C

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Q min	Test Freq.(KHz)	DCR max.(Ω)	Irate.(mA)	SRF(MHz)
SEM4532-181KT	180	40	0.796	9.5	102	5
SEM4532-221KT	220	40	0.796	10	100	4
SEM4532-271KT	270	40	0.796	12	92	4
SEM4532-331KT	330	40	0.796	14	85	3.5
SEM4532-391KT	390	40	0.796	18	80	3
SEM4532-471KT	470	40	0.796	26	62	3
SEM4532-561KT	560	30	0.796	30	50	3
SEM4532-681KT	680	30	0.796	30	50	3
SEM4532-821KT	820	30	0.796	35	30	2.5
SEM4532-102KT	1000	20	0.252	40	30	2.5

Part Number	L(uH)	Q min	Test Freq.(KHz)	DCR max.(Ω)	Irate.(mA)	SRF(MHz)
SEC3225-1R0MT	1.0	10	7.96	0.156	770	100
SEC3225-1R5MT	1.5	10	7.96	0.195	580	80
SEC3225-2R2MT	2.2	10	7.96	0.260	480	65
SEC3225-3R3MT	3.3	10	7.96	0.325	400	55
SEC3225-4R7MT	4.7	10	7.96	0.520	320	45
SEC3225-6R8MT	6.8	10	7.96	0.650	280	35
SEC3225-100KT	10	15	2.52	1.105	220	28
SEC3225-150KT	15	15	2.52	1.69	180	25
SEC3225-220KT	22	15	2.52	2.60	145	20
SEC3225-330KT	33	15	2.52	3.64	115	15
SEC3225-390KT	39	15	2.52	4.50	110	14
SEC3225-470KT	47	15	2.52	5.46	105	13
SEC3225-680KT	68	15	2.52	8.45	85	10
SEC3225-820KT	82	15	2.52	8.71	80	9
SEC3225-101KT	100	15	0.796	9.14	75	8

Note:

Irate: Based on inductance change($\Delta L/L_0 \leq 10\%$)@ambient temp.20°C

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Q min	Test Freq.(KHz)	DCR max.(Ω)	Irate.(mA)	SRF(MHz)
SEC4532-1R0KT	1.0	10	7.96	0.11	1050	180
SEC4532-1R2KT	1.2	10	7.96	0.12	1000	160
SEC4532-1R5KT	1.5	10	7.96	0.15	950	130
SEC4532-1R8KT	1.8	10	7.96	0.16	900	100
SEC4532-2R2KT	2.2	10	7.96	0.18	850	80
SEC4532-2R7KT	2.7	10	7.96	0.20	800	60
SEC4532-3R3KT	3.3	10	7.96	0.22	750	45
SEC4532-3R9KT	3.9	10	7.96	0.24	700	40
SEC4532-4R7KT	4.7	10	7.96	0.27	650	35
SEC4532-5R6KT	5.6	10	7.96	0.30	650	30
SEC4532-6R8KT	6.8	10	7.96	0.35	600	28
SEC4532-8R2KT	8.2	10	7.96	0.40	600	25
SEC4532-100KT	10	10	2.52	0.50	550	22
SEC4532-120KT	12	10	2.52	0.60	500	21
SEC4532-150KT	15	10	2.52	0.70	450	20
SEC4532-180KT	18	10	2.52	0.80	400	19
SEC4532-220KT	22	10	2.52	0.9	370	18
SEC4532-270KT	27	10	2.52	1.2	330	16
SEC4532-330KT	33	10	2.52	1.4	300	14
SEC4532-390KT	39	10	2.52	1.6	280	12
SEC4532-470KT	47	10	2.52	1.9	260	11.5
SEC4532-560KT	56	10	2.52	2.2	240	11
SEC4532-680KT	68	10	2.52	2.6	220	10
SEC4532-820KT	82	10	2.52	3.5	200	9
SEC4532-101KT	100	20	0.796	4.0	180	8
SEC4532-121KT	120	20	0.796	4.5	160	7.5
SEC4532-151KT	150	20	0.796	6.5	140	7
SEC4532-181KT	180	20	0.796	7.5	120	6.5
SEC4532-221KT	220	20	0.796	9.0	120	5.5
SEC4532-271KT	270	20	0.796	11	100	5
SEC4532-331KT	330	20	0.796	13	90	4

Note:

Irate: Based on inductance change($\Delta L/L_0 \leq 10\%$)@ambient temp.20°C