

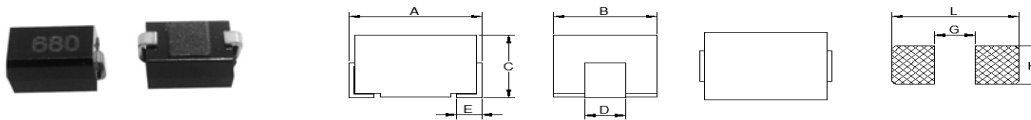
Features

- Low resistance and High current, providing Power Line applications.
- Coils encapsulated in heat-proof resin make high accurate dimensions 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 phones, Radio equipments.

Shapes and Dimensions



Packing Q'ty : pcs/reel

Type	A	B	C	D	E	F	G	H
SEM4532	4.5 ± 0.3	3.2 ± 0.2	3.2 ± 0.2	1.2 typ.	1.1 ± 0.2	5.9	2.5	1.5

Electrical Characteristics

Part Number	Inductance (uH)	Q (Min.)	Measuring Freq. (MHz)	DCR (Ω) Max.	Rated Current (mA) max.	S.R.F (MHz) Min.
SEM4532-R10MC	0.10 ± 20%	35	25.2	0.18	800	300
SEM4532-R12MC	0.12 ± 20%	35	25.2	0.20	770	280
SEM4532-R15MC	0.15 ± 20%	35	25.2	0.22	730	250
SEM4532-R18MC	0.18 ± 20%	35	25.2	0.24	700	220
SEM4532-R22MC	0.22 ± 20%	40	25.2	0.25	665	200
SEM4532-R27MC	0.27 ± 20%	40	25.2	0.26	635	180
SEM4532-R33MC	0.33 ± 20%	40	25.2	0.28	605	165
SEM4532-R39MC	0.39 ± 20%	40	25.2	0.30	575	150
SEM4532-R47MC	0.47 ± 20%	40	25.2	0.32	545	145
SEM4532-R56MC	0.56 ± 20%	40	25.2	0.36	520	140
SEM4532-R68MC	0.68 ± 20%	40	25.2	0.40	500	135
SEM4532-R82MC	0.82 ± 20%	40	25.2	0.45	475	130
SEM4532-1R0MC	1.0 ± 20%	50	7.96	0.50	450	100
SEM4532-1R2MC	1.2 ± 20%	50	7.96	0.55	430	80
SEM4532-1R5MC	1.5 ± 20%	50	7.96	0.60	410	70
SEM4532-1R8MC	1.8 ± 20%	50	7.96	0.65	390	60
SEM4532-2R2MC	2.2 ± 20%	50	7.96	0.70	380	55
SEM4532-2R7MC	2.7 ± 20%	50	7.96	0.75	370	50
SEM4532-3R3MC	3.3 ± 20%	50	7.96	0.80	355	45
SEM4532-3R9MC	3.9 ± 20%	50	7.96	0.90	330	40
SEM4532-4R7MC	4.7 ± 20%	50	7.96	1.00	315	35
SEM4532-5R6MC	5.6 ± 20%	50	7.96	1.10	300	33
SEM4532-6R8MC	6.8 ± 20%	50	7.96	1.20	285	27
SEM4532-8R2MC	8.2 ± 20%	50	7.96	1.40	270	25

NOTES:

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

Electrical Characteristics

Part Number	Inductance (uH)	Q (Min.)	Measuring Freq. (MHz)	DCR (Ω) Max.	Rated Current (mA) max.	S.R.F (MHz) Min.
SEM4532-100KC	10 ± 10%	50	2.52	1.60	250	20
SEM4532-120KC	12 ± 10%	50	2.52	2.00	225	18
SEM4532-150KC	15 ± 10%	50	2.52	2.50	200	17
SEM4532-180KC	18 ± 10%	50	2.52	2.80	190	15
SEM4532-220KC	22 ± 10%	50	2.52	3.20	180	13
SEM4532-270KC	27 ± 10%	50	2.52	3.60	170	12
SEM4532-330KC	33 ± 10%	50	2.52	4.00	160	11
SEM4532-390KC	39 ± 10%	50	2.52	4.50	150	10
SEM4532-470KC	47 ± 10%	50	2.52	5.00	140	10
SEM4532-560KC	56 ± 10%	50	2.52	5.50	135	9
SEM4532-680KC	68 ± 10%	50	2.52	6.00	130	9
SEM4532-820KC	82 ± 10%	50	2.52	7.00	120	8
SEM4532-101KC	100 ± 10%	40	0.796	8.00	110	8
SEM4532-121KC	120 ± 10%	40	0.796	8.00	110	6
SEM4532-151KC	150 ± 10%	40	0.796	9.00	105	5
SEM4532-181KC	180 ± 10%	40	0.796	9.50	102	5
SEM4532-221KC	220 ± 10%	40	0.796	10.00	100	4
SEM4532-271KC	270 ± 10%	40	0.796	12.00	92	4
SEM4532-331KC	330 ± 10%	40	0.796	14.00	85	3.5
SEM4532-391KC	390 ± 10%	40	0.796	18.00	80	3
SEM4532-471KC	470 ± 10%	40	0.796	26.00	62	3
SEM4532-561KC	560 ± 10%	30	0.796	30.00	50	3
SEM4532-681KC	680 ± 10%	30	0.796	30.00	50	3
SEM4532-821KC	820 ± 10%	30	0.796	35.00	30	2.5
SEM4532-102KC	1000 ± 10%	20	0.252	40.00	30	2.5

NOTES:

Irate: Based on inductance change(^AL/L0≤10%)@ambient temp.20°C.