

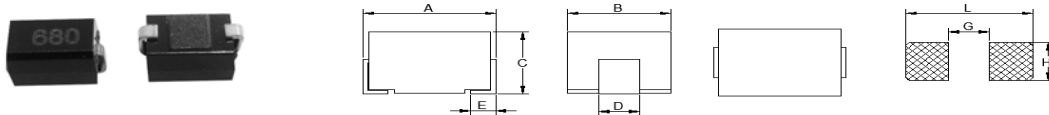
Features

- 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	L	G	H
SEM3225	3.2 ± 0.3	2.5 ± 0.2	2.2 ± 0.2	0.6 typ.	1.0 ± 0.2	4.4	2.0	1.2

Electrical Characteristics

Part Number	Inductance (uH)	Q (Min.)	Measuring Freq. (MHz)	DCR (Ω) Max.	Rated Current (mA) max.	S.R.F (MHz) Min.
SEM3225-R10MC	0.10 ± 20%	28	100	0.44	450	700
SEM3225-R12MC	0.12 ± 20%	30	25.2	0.22	450	500
SEM3225-R15MC	0.15 ± 20%	30	25.2	0.25	450	450
SEM3225-R18 MC	0.18 ± 20%	30	25.2	0.28	450	400
SEM3225-R22MC	0.22 ± 20%	30	25.2	0.32	450	350
SEM3225-R27MC	0.27 ± 20%	31	25.2	0.36	450	320
SEM3225-R33MC	0.33 ± 20%	32	25.2	0.40	450	300
SEM3225-R39MC	0.39 ± 20%	33	25.2	0.45	450	250
SEM3225-R47MC	0.47 ± 20%	34	25.2	0.50	450	220
SEM3225-R56MC	0.56 ± 20%	35	25.2	0.55	450	180
SEM3225-R68MC	0.68 ± 20%	36	25.2	0.60	450	160
SEM3225-R82MC	0.82 ± 20%	37	25.2	0.65	450	140
SEM3225-1R0MC	1.00 ± 20%	38	7.96	0.70	400	120
SEM3225-1R2MC	1.20 ± 20%	39	7.96	0.75	380	100
SEM3225-1R5MC	1.50 ± 20%	40	7.96	0.85	390	85
SEM3225-1R8MC	1.80 ± 20%	41	7.96	0.90	370	80
SEM3225-2R2MC	2.20 ± 20%	42	7.96	1.00	350	75
SEM3225-2R7MC	2.70 ± 20%	43	7.96	1.10	320	70
SEM3225-3R3MC	3.30 ± 20%	44	7.96	1.20	290	60
SEM3225-3R9MC	3.90 ± 20%	45	7.96	1.30	250	55
SEM3225-4R7MC	4.70 ± 20%	46	7.96	1.50	220	50
SEM3225-5R6MC	5.60 ± 20%	47	7.96	1.60	200	45
SEM3225-6R8MC	6.80 ± 20%	48	7.96	1.80	180	40
SEM3225-8R2MC	8.20 ± 20%	49	7.96	2.00	170	35

NOTES:

 Inductance: 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.
SEM3225-100KC	10 ± 10%	30	2.52	2.10	150	30
SEM3225-120KC	12 ± 10%	30	2.52	2.50	140	20
SEM3225-150KC	15 ± 10%	30	2.52	2.80	130	20
SEM3225-180KC	18 ± 10%	30	2.52	3.30	120	20
SEM3225-220KC	22 ± 10%	30	2.52	3.70	110	20
SEM3225-270KC	27 ± 10%	30	2.52	5.00	80	20
SEM3225-330KC	33 ± 10%	30	2.52	5.60	70	17
SEM3225-390KC	39 ± 10%	30	2.52	6.40	65	16
SEM3225-470KC	47 ± 10%	30	2.52	7.00	60	15
SEM3225-560KC	56 ± 10%	30	2.52	8.00	55	13
SEM3225-680KC	68 ± 10%	30	2.52	9.00	50	12
SEM3225-820KC	85 ± 10%	30	2.52	10.00	45	11
SEM3225-101KC	100 ± 10%	20	0.796	10.00	40	10
SEM3225-121KC	120 ± 10%	20	0.796	11.00	70	10
SEM3225-151KC	150 ± 10%	20	0.796	15.00	60	8

NOTES:

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