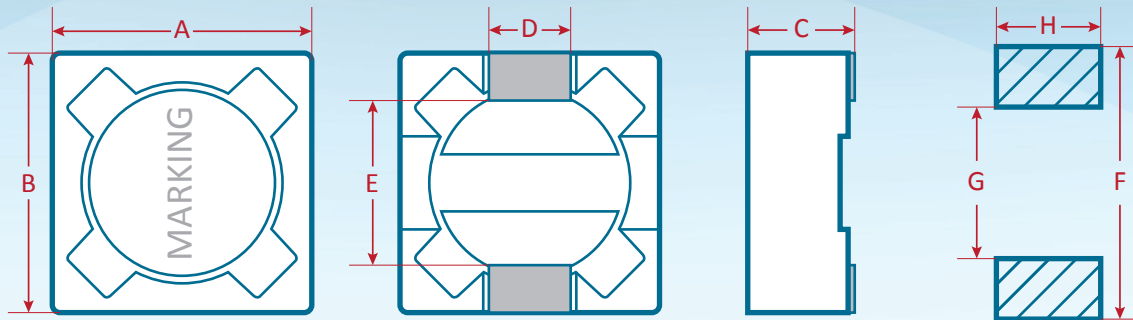


SPC1 Series

SMD Power Inductor

Shape and Dimensions(mm):



Item	A	B	C	D	E	F	G	H
SPC63	6.6±0.3	6.2±0.3	3.0 Max.	1.5 Ref.	4.6 Ref.	7.4 Typ.	4.6 Typ.	1.9 Typ.
SPC65	6.6±0.3	6.2±0.3	5.0 Max.	1.5 Ref.	5.9±0.3	7.4 Typ.	4.6 Typ.	1.9 Typ.

SPC63

Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(Ω) Max.	Idc(A) Max.	Tolerance (±%)
SPC63MT2R2	2.2	100 KHz	0.050	2.20	20
SPC63NT3R3	3.3	100 KHz	0.070	1.80	30
SPC63MT4R7	4.7	100 KHz	0.090	1.55	20
SPC63NT6R8	6.8	100 KHz	0.100	1.30	30
SPC63MT100	10	1.0 KHz	0.150	1.10	20
SPC63MT120	12	1.0 KHz	0.300	1.00	20
SPC63MT150	15	100 KHz	0.170	1.20	20
SPC63MT180	18	1.0 KHz	0.270	0.80	20
SPC63MT220	22	1.0 KHz	0.320	0.70	20
SPC63MT270	27	1.0 KHz	0.380	0.66	20
SPC63MT330	33	1.0 KHz	0.450	0.59	20
SPC63MT470	47	1.0 KHz	0.500	0.54	20
SPC63MT680	68	1.0 KHz	0.750	0.49	20
SPC63MT101	100	1.0 KHz	1.390	0.34	20
SPC63MT121	120	1.0 KHz	1.900	0.31	20
SPC63MT151	150	1.0 KHz	2.500	0.29	20
SPC63MT181	180	1.0 KHz	2.770	0.26	20
SPC63MT221	220	1.0 KHz	3.120	0.23	20
SPC63MT271	270	100 KHz	4.380	0.22	20
SPC63MT331	330	1.0 KHz	4.940	0.19	20

SPC65


Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(Ω) Max.	Idc(A) Max.	Tolerance ($\pm\%$)
SPC65NT2R2	2.2	100 KHz	0.030	5.00	30
SPC65MT3R3	3.3	100 KHz	0.035	3.00	20
SPC65MT8R2	8.2	1.0 KHz	0.100	2.00	20
SPC65MT100	10	1.0 KHz	0.120	1.35	20
SPC65MT120	12	1.0 KHz	0.130	1.22	20
SPC65MT150	15	1.0 KHz	0.200	1.10	20
SPC65MT180	18	1.0 KHz	0.240	1.02	20
SPC65MT220	22	1.0 KHz	0.270	0.91	20
SPC65MT270	27	1.0 KHz	0.300	0.82	20
SPC65MT330	33	1.0 KHz	0.330	0.74	20
SPC65MT390	39	1.0 KHz	0.370	0.69	20
SPC65MT470	47	1.0 KHz	0.520	0.62	20
SPC65MT560	56	1.0 KHz	0.560	0.58	20
SPC65MT680	68	1.0 KHz	0.630	0.51	20
SPC65MT820	82	1.0 KHz	0.710	0.46	20
SPC65MT101	100	1.0 KHz	1.030	0.42	20
SPC65MT121	120	1.0 KHz	1.400	0.38	20
SPC65MT151	150	1.0 KHz	1.680	0.35	20
SPC65MT181	180	1.0 KHz	1.870	0.32	20
SPC65MT221	220	1.0 KHz	2.080	0.29	20
SPC65MT271	270	1.0 KHz	2.370	0.26	20
SPC65MT331	330	1.0 KHz	2.670	0.23	20
SPC65MT391	390	1.0 KHz	2.940	0.22	20
SPC65MT471	470	1.0 KHz	3.930	0.20	20
SPC65MT561	560	1.0 KHz	5.430	0.18	20
SPC65MT681	680	1.0 KHz	7.320	0.17	20
SPC65MT821	820	1.0 KHz	8.240	0.15	20

Ordering information
SPC - 63 - M - T - 2R2
(1) (2) (3) (4) (5)

- (1) Type : Surface Mountable Type
- (2) Size : 63(0603) is size
- (3) Tolerance : M=20%, N=30%
- (4) Packaging style : Taping Reel
- (5) Inductance : 2R2 for 2.2uH, 100 for 10uH, 101 for 100uH...

Characteristics

 - IDC $\Delta L/L(0A) \leq 35\%$
SPC63

- Operating temperature : -40 to 125°C

SPC65

- Operating temperature : -25 to 105°C

Test equipment

- L : TH2816A, TH2816B

- DCR : GOM-801H

Packing

