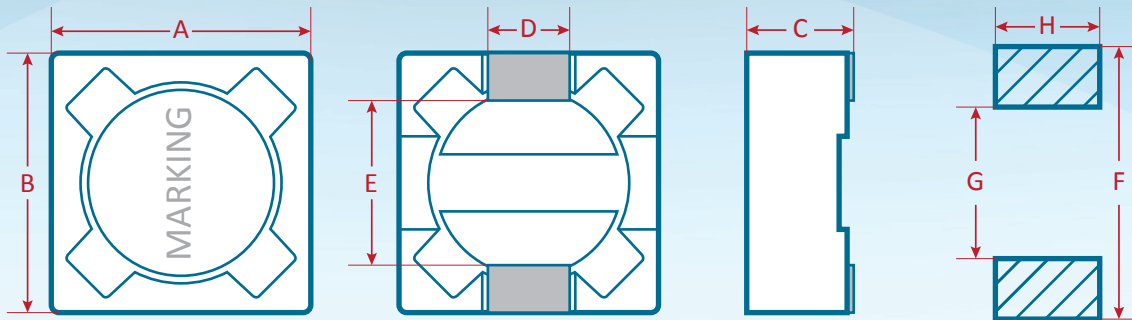


SPC1 Series

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

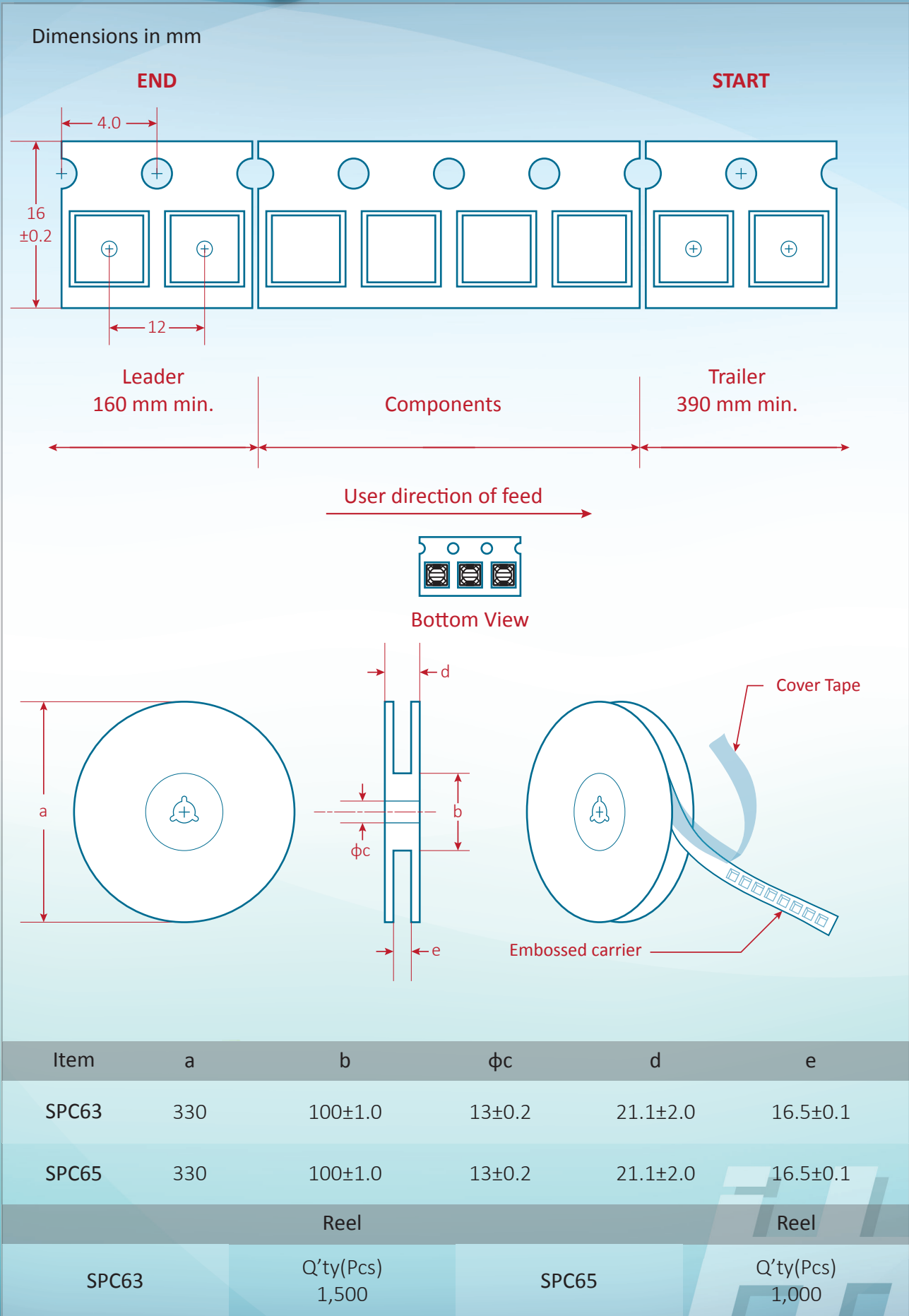
- Operating temperature : -25 to 105°C

Test equipment

- L : TH2816A, TH2816B

- DCR : GOM-801H

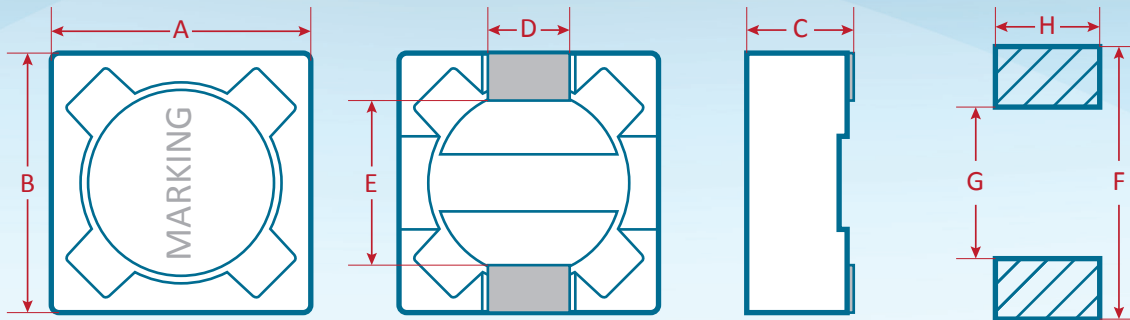
Packing



SPC1 Series

SMD Power Inductor

Shape and Dimensions(mm):



Item	A	B	C	D	E	F	G	H
SPC73	7.3±0.2	7.3±0.2	3.4 Max.	1.8 Ref.	5.0 Ref.	8.0 Typ.	4.8 Typ.	2.2 Typ.
SPC74	7.3±0.2	7.3±0.2	4.5 Max.	1.8 Ref.	5.0 Ref.	8.0 Typ.	4.8 Typ.	2.2 Typ.

SPC73

Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(Ω) Max.	Idc(A) Max.	Tolerance (±%)
SPC73NT1R0	1.0	100 KHz	0.020	4.90	30
SPC73MT2R2	2.2	1.0 KHz	0.027	4.50	20
SPC73MT3R3	3.3	100 KHz	0.026	4.22	20
SPC73MT4R7	4.7	100 KHz	0.030	3.78	20
SPC73NT5R6	5.6	1.0 KHz	0.056	3.00	30
SPC73MT6R8	6.8	1.0 KHz	0.060	2.00	20
SPC73MT100	10	1.0 KHz	0.072	1.68	20
SPC73MT150	15	1.0 KHz	0.150	1.15	20
SPC73MT180	18	1.0 KHz	0.160	1.10	20
SPC73MT220	22	1.0 KHz	0.190	1.07	20
SPC73MT330	33	1.0 KHz	0.240	0.91	20
SPC73MT390	39	1.0 KHz	0.340	0.77	20
SPC73MT470	47	1.0 KHz	0.360	0.76	20
SPC73MT560	56	1.0 KHz	0.470	0.68	20
SPC73MT680	68	1.0 KHz	0.520	0.61	20
SPC73MT820	82	1.0 KHz	0.537	0.57	20
SPC73MT101	100	1.0 KHz	0.790	0.50	20
SPC73MT181	180	1.0 KHz	1.200	0.40	20
SPC73MT221	220	1.0 KHz	1.650	0.35	20
SPC73MT271	270	1.0 KHz	1.800	0.32	20
SPC73MT331	330	1.0 KHz	2.620	0.28	20
SPC73MT391	390	1.0 KHz	2.620	0.28	20
SPC73MT471	470	1.0 KHz	3.420	0.25	20
SPC73MT561	560	1.0 KHz	5.100	0.16	20

Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(Ω) Max.	Idc(A) Max.	Tolerance ($\pm\%$)
SPC73MT681	680	1.0 KHz	5.730	0.19	20
SPC73MT821	820	1.0 KHz	6.560	0.16	20

SPC74


Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(Ω) Max.	Idc(A) Max.	Tolerance ($\pm\%$)
SPC74MT1R0	1.0	100 KHz	0.020	8.00	20
SPC74MT2R2	2.2	100 KHz	0.030	6.00	20
SPC74MT3R3	3.3	100 KHz	0.035	3.10	20
SPC74NT4R7	4.7	100 KHz	0.051	3.00	30
SPC74NT5R6	5.6	100 KHz	0.060	2.50	30
SPC74MT6R8	6.8	1.0 KHz	0.045	3.00	20
SPC74MT100	10	1.0 KHz	0.049	1.84	20
SPC74MT120	12	1.0 KHz	0.058	1.71	20
SPC74MT150	15	1.0 KHz	0.080	1.47	20
SPC74MT180	18	1.0 KHz	0.091	1.31	20
SPC74MT220	22	1.0 KHz	0.110	1.23	20
SPC74MT330	33	1.0 KHz	0.170	0.96	20
SPC74KT390	39	1.0 KHz	0.250	1.2	10
SPC74MT470	47	1.0 KHz	0.260	0.88	20
SPC74MT560	56	1.0 KHz	0.300	0.8	20
SPC74MT680	68	1.0 KHz	0.380	0.69	20
SPC74MT101	100	1.0 KHz	0.610	0.60	20
SPC74MT121	120	1.0 KHz	0.660	0.52	20
SPC74MT151	150	1.0 KHz	0.880	0.46	20
SPC74MT181	180	1.0 KHz	0.980	0.42	20
SPC74MT221	220	1.0 KHz	1.170	0.36	20
SPC74MT331	330	1.0 KHz	1.860	0.32	20
SPC74MT471	470	1.0 KHz	3.010	0.26	20
SPC74MT681	680	1.0 KHz	4.630	0.22	20
SPC74MT821	820	100 KHz	4.800	0.2	20

Ordering information
SPC - 73 - N - T - 1R0
(1) (2) (3) (4) (5)

- (1) Type : Surface Mountable Type
- (2) Size : 73(0703) is size
- (3) Tolerance : M=20%, N=30%
- (4) Packaging style : Taping Reel
- (5) Inductance : 1R0 for 1.0uH, 100 for 10uH, 101 for 100uH...

Characteristics

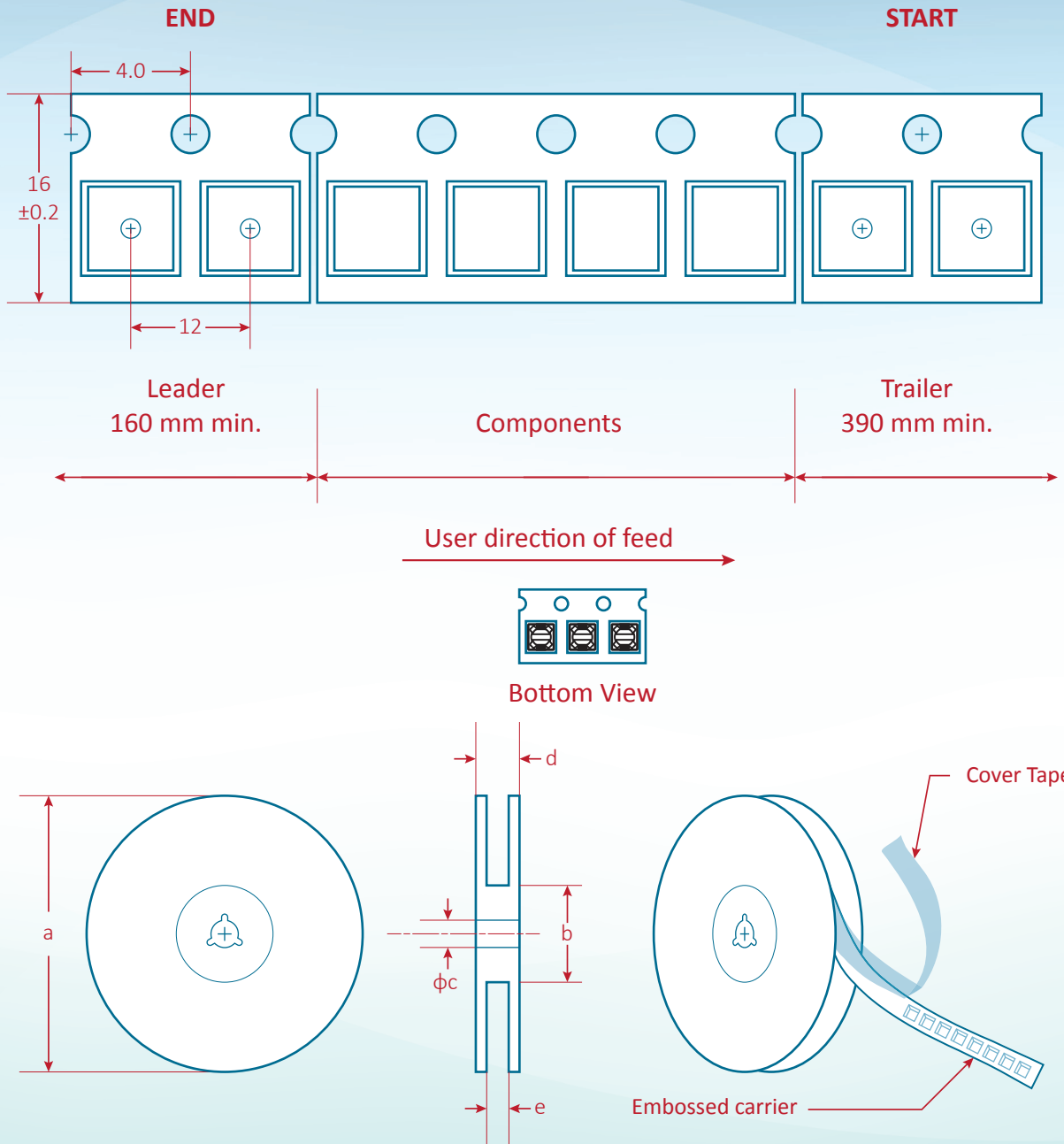
- IDC $\Delta L/L(0A) \leq 35\%$
- Operating temperature : -25 to 105°C

Test equipment

- L : TH2816A, TH2816B
- DCR : GOM-801H

Packing

Dimensions in mm

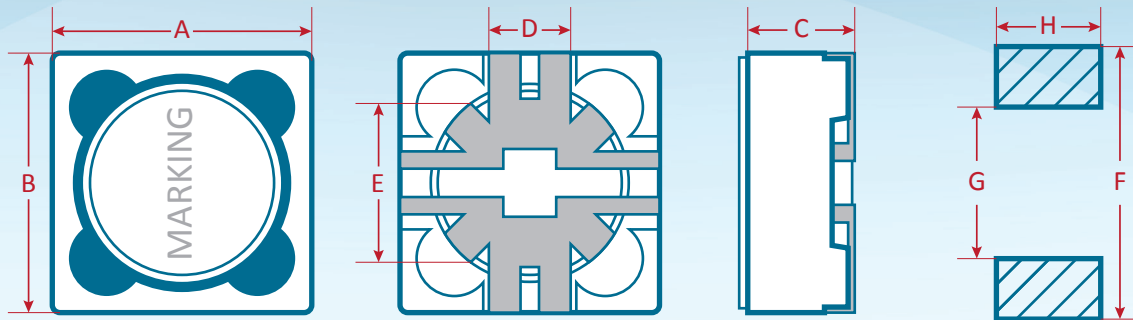


Item	a	b	φc	d	e
SPC73	330	100±1.0	13±0.2	21.1±2.0	16.5±0.1
SPC74	330	100±1.0	13±0.2	21.1±2.0	16.5±0.1
		Reel			Reel
SPC73		Q'ty(Pcs) 1,000		SPC74	Q'ty(Pcs) 1,000

SPC1 Series

SMD Power Inductor

Shape and Dimensions(mm):



Item	A	B	C	D	E	F	G	H
SPC124	12±0.3	12±0.3	4.5 Max.	5.0±0.2	7.6±0.2	12.8 Typ.	7.0 Typ.	5.4 Typ.
SPC125	12±0.3	12±0.3	6.0 Max.	5.0±0.2	7.6±0.2	12.8 Typ.	7.0 Typ.	5.4 Typ.
SPC127	12±0.3	12±0.3	8.0 Max.	5.0±0.2	7.6±0.2	12.8 Typ.	7.0 Typ.	5.4 Typ.
SPC129	12±0.3	12±0.3	10 Max.	5.0±0.2	7.6±0.2	12.8 Typ.	7.0 Typ.	5.4 Typ.

SPC124

Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(Ω) Max.	Idc(A) Max.	Tolerance (±%)
SPC124MT2R2	2.2	100 KHz	0.013	8.00	20
SPC124MT3R3	3.3	100 KHz	0.015	6.50	20
SPC124MT4R7	4.7	100 KHz	0.018	5.70	20
SPC124MT5R6	5.6	100 KHz	0.022	5.00	20
SPC124MT6R8	6.8	100 KHz	0.023	4.90	20
SPC124MT8R2	8.2	100 KHz	0.026	4.60	20
SPC124MT100	10	1.0 KHz	0.028	4.50	20
SPC124MT120	12	1.0 KHz	0.038	4.00	20
SPC124MT150	15	1.0 KHz	0.050	3.20	20
SPC124MT180	18	1.0 KHz	0.057	3.10	20
SPC124MT220	22	1.0 KHz	0.066	2.90	20
SPC124MT270	27	1.0 KHz	0.080	2.80	20
SPC124MT330	33	1.0 KHz	0.097	2.70	20
SPC124MT390	39	1.0 KHz	0.132	2.10	20
SPC124MT470	47	1.0 KHz	0.160	1.90	20
SPC124MT560	56	100 KHz	0.190	1.80	20
SPC124MT680	68	1.0 KHz	0.220	1.50	20
SPC124MT820	82	1.0 KHz	0.260	1.30	20
SPC124MT101	100	1.0 KHz	0.308	1.20	20
SPC124MT121	120	1.0 KHz	0.380	1.10	20
SPC124MT151	150	1.0 KHz	0.530	0.95	20

Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(Ω) Max.	Idc(A) Max.	Tolerance ($\pm\%$)
SPC124MT181	180	1.0 KHz	0.620	0.85	20
SPC124MT221	220	1.0 KHz	0.700	0.80	20
SPC124MT271	270	1.0 KHz	0.870	0.60	20
SPC124MT331	330	1.0 KHz	0.990	0.50	20
SPC124MT471	470	100 KHz	1.300	0.70	20
SPC124MT561	560	100 KHz	1.623	0.53	20

SPC125  

Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(Ω) Max.	Idc(A) Max.	Tolerance ($\pm\%$)
SPC125MT2R2	2.2	100 KHz	0.010	7.00	20
SPC125MT3R3	3.3	100 KHz	0.014	6.75	20
SPC125MT4R7	4.7	100 KHz	0.018	6.20	20
SPC125MT6R8	6.8	100 KHz	0.023	5.90	20
SPC125MT8R2	8.2	100 KHz	0.025	5.00	20
SPC125MT100	10	1.0 KHz	0.025	4.00	20
SPC125MT120	12	1.0 KHz	0.027	3.50	20
SPC125MT150	15	1.0 KHz	0.030	3.30	20
SPC125MT180	18	1.0 KHz	0.034	3.00	20
SPC125MT220	22	1.0 KHz	0.036	2.80	20
SPC125MT270	27	1.0 KHz	0.051	2.30	20
SPC125MT330	33	1.0 KHz	0.057	2.10	20
SPC125MT390	39	1.0 KHz	0.068	2.00	20
SPC125MT470	47	1.0 KHz	0.075	1.80	20
SPC125MT560	56	1.0 KHz	0.110	1.70	20
SPC125MT680	68	1.0 KHz	0.120	1.50	20
SPC125MT820	82	1.0 KHz	0.140	1.40	20
SPC125MT101	100	1.0 KHz	0.160	1.30	20
SPC125MT121	120	1.0 KHz	0.170	1.10	20
SPC125MT151	150	1.0 KHz	0.230	1.00	20
SPC125MT181	180	1.0 KHz	0.290	0.90	20
SPC125MT221	220	1.0 KHz	0.400	0.80	20
SPC125MT270	270	1.0 KHz	0.460	0.75	20
SPC125MT301	300	1.0 KHz	0.490	0.70	20
SPC125MT331	330	1.0 KHz	0.510	0.68	20
SPC125MT391	390	1.0 KHz	0.690	0.65	20
SPC125MT471	470	1.0 KHz	0.770	0.58	20
SPC125MT561	560	1.0 KHz	0.860	0.54	20
SPC125MT681	680	1.0 KHz	1.200	0.48	20
SPC125MT821	820	1.0 KHz	1.340	0.43	20

SPC127



Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(Ω) Max.	Idc(A) Max.	Tolerance ($\pm\%$)
SPC127MT1R0	1.0	100 KHz	0.007	10.00	20
SPC127MT2R2	2.2	100 KHz	0.012	8.50	20
SPC127MT3R3	3.3	100 KHz	0.013	7.80	20
SPC127MT4R7	4.7	100 KHz	0.015	6.80	20
SPC127MT5R6	5.6	100 KHz	0.016	6.70	20
SPC127MT6R8	6.8	100 KHz	0.014	6.40	20
SPC127MT8R2	8.2	100 KHz	0.016	6.32	20
SPC127MT100	10	1.0 KHz	0.022	5.40	20
SPC127MT120	12	1.0 KHz	0.024	4.90	20
SPC127MT150	15	1.0 KHz	0.027	4.50	20
SPC127MT180	18	1.0 KHz	0.040	3.90	20
SPC127MT220	22	1.0 KHz	0.043	3.60	20
SPC127MT270	27	1.0 KHz	0.046	3.40	20
SPC127MT330	33	1.0 KHz	0.065	3.00	20
SPC127MT390	39	1.0 KHz	0.073	2.75	20
SPC127MT470	47	1.0 KHz	0.100	2.50	20
SPC127MT560	56	1.0 KHz	0.110	2.35	20
SPC127MT680	68	1.0 KHz	0.140	2.10	20
SPC127MT820	82	1.0 KHz	0.160	1.95	20
SPC127MT101	100	1.0 KHz	0.220	1.70	20
SPC127MT121	120	1.0 KHz	0.250	1.60	20
SPC127MT151	150	1.0 KHz	0.280	1.42	20
SPC127MT181	180	1.0 KHz	0.350	1.30	20
SPC127MT221	220	1.0 KHz	0.390	1.16	20
SPC127MT271	270	1.0 KHz	0.560	1.06	20
SPC127MT331	330	100 KHz	0.640	0.95	20
SPC127MT391	390	1.0 KHz	0.700	0.88	20
SPC127MT471	470	1.0 KHz	0.980	0.79	20
SPC127MT561	560	1.0 KHz	1.070	0.73	20
SPC127MT681	680	1.0 KHz	1.460	0.67	20
SPC127MT821	820	1.0 KHz	1.640	0.60	20

SPC129



Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(Ω) Max.	Idc(A) Max.	Tolerance ($\pm\%$)
SPC129MT1R0	1.0	100 KHz	0.007	17.00	20
SPC129NT3R3	3.3	100 KHz	0.009	14.00	30
SPC129NT6R8	6.8	100 KHz	0.013	10.00	30
SPC129NT8R2	8.2	100 KHz	0.015	8.20	30
SPC129MT100	10	1.0 KHz	0.018	7.50	20
SPC129MT120	12	1.0 KHz	0.019	7.00	20
SPC129MT150	15	1.0 KHz	0.024	6.00	20
SPC129MT180	18	1.0 KHz	0.031	5.50	20
SPC129MT220	22	1.0 KHz	0.039	5.00	20
SPC129MT270	27	1.0 KHz	0.045	4.50	20
SPC129MT330	33	1.0 KHz	0.050	4.00	20
SPC129MT390	39	1.0 KHz	0.059	3.80	20
SPC129MT470	47	1.0 KHz	0.069	3.50	20

Part No.	Inductance (uH)	Test Freq. (0.25V)	DCR(Ω) Max.	Idc(A) Max.	Tolerance ($\pm\%$)
SPC129MT560	56	1.0 KHz	0.079	3.20	20
SPC129MT680	68	100 KHz	0.088	3.00	20
SPC129MT820	82	1.0 KHz	0.110	2.60	20
SPC129MT101	100	1.0 KHz	0.140	2.20	20
SPC129MT121	120	1.0 KHz	0.160	2.00	20
SPC129MT151	150	1.0 KHz	0.200	1.80	20
SPC129MT181	180	1.0 KHz	0.270	1.60	20
SPC129MT221	220	1.0 KHz	0.300	1.50	20
SPC129MT271	270	1.0 KHz	0.400	1.30	20
SPC129MT331	330	1.0 KHz	0.450	1.20	20
SPC129MT391	390	1.0 KHz	0.550	1.10	20
SPC129MT471	470	1.0 KHz	0.600	1.00	20
SPC129MT561	560	1.0 KHz	0.700	0.90	20
SPC129MT681	680	1.0 KHz	0.840	0.82	20
SPC129MT821	820	1.0 KHz	1.060	0.80	20

Ordering information

SPC - 124 - M - T - 2R2

(1) (2) (3) (4) (5)

- (1) Type : Surface Mountable Type
- (2) Size : 124(1204) is size
- (3) Tolerance : M=20%, N=30%
- (4) Packaging style : Taping Reel
- (5) Inductance : 1R0 for 1.0uH, 100 for 10uH, 101 for 100uH...

Characteristics

- IDC $\Delta L/L(0A) \leq 35\%$
- Operating temperature : -40 to 105°C

Test equipment

- L : TH2816A, TH2816B
- DCR : GOM-801H



Packing

