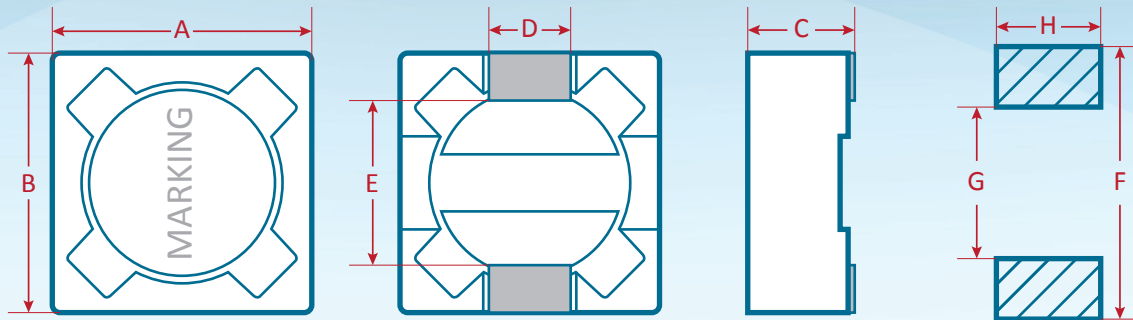


SPC1 Series

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

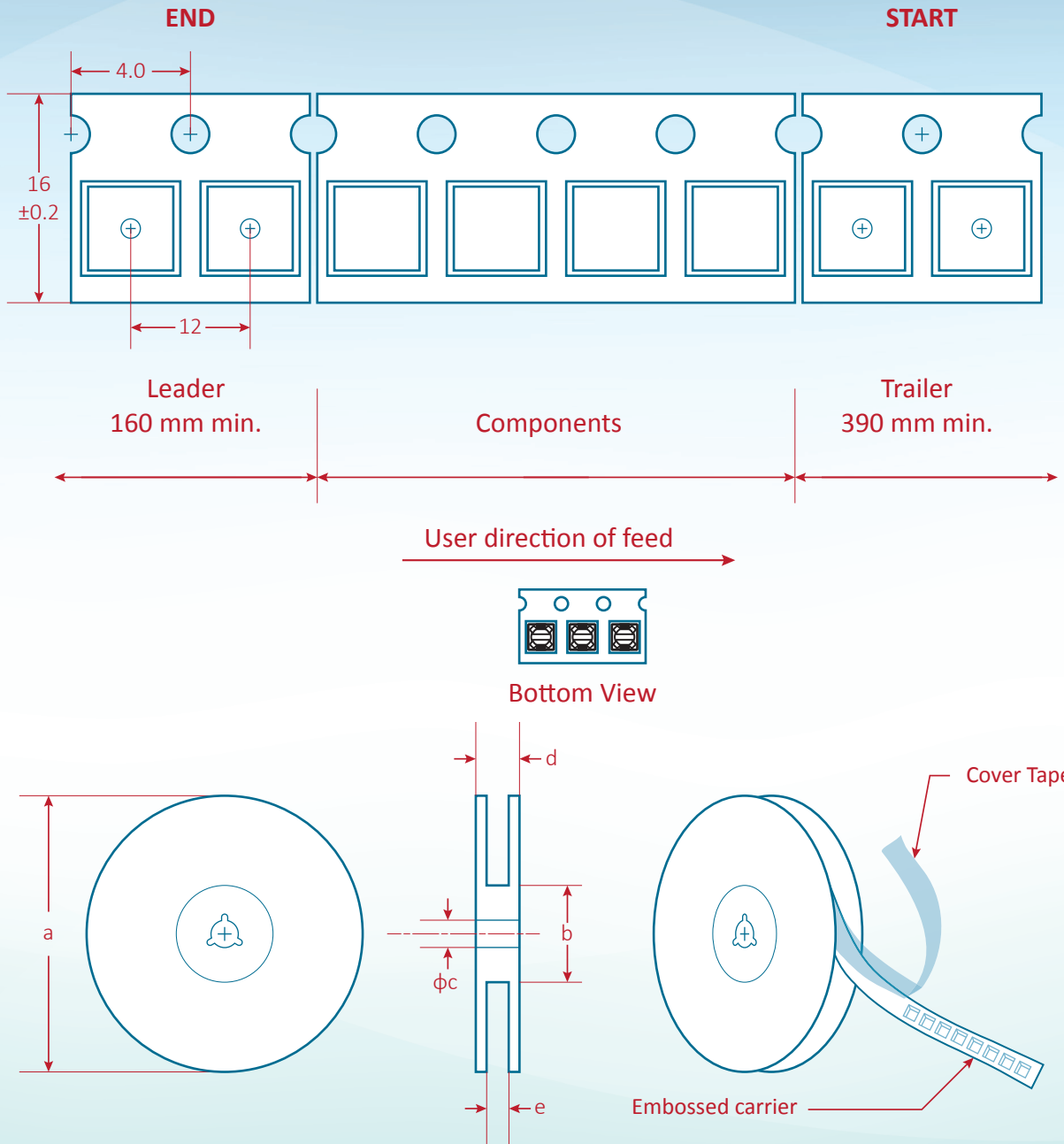
- IDC $\Delta L/L(0A) \leq 35\%$
- Operating temperature : -25 to 105°C

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