



SDR0705K SERIES

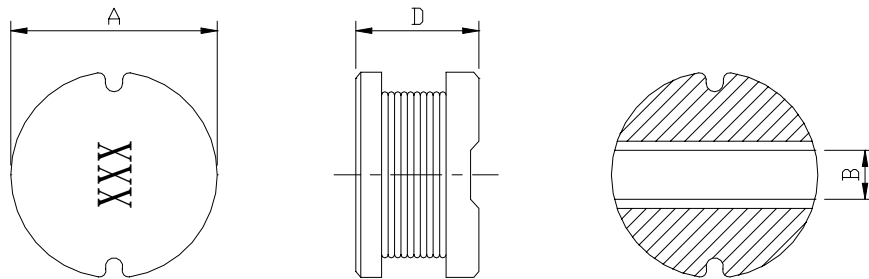


PART NUMBERING SYSTEM

SDR	0705K	—	1R5M
TYPE	DIMENSIONS		INDUCTANCE

SHAPES AND DIMENSIONS

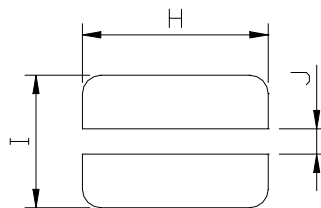
UNIT : mm



A=7.8 Max. B=2.6 Typ. D=5.3 Max.

RECOMMENDED PATTERNS

UNIT : mm



H=8.0 Max. I=8.0 Max. J=2.6 Max.



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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	Q Ref.	DCR (Ω) (max)	IDC (A) (max)	TEST FREQ. (MHz)
SDR0705K-1R5M	1.5	32	0.02	9.10	7.96
SDR0705K-2R5M	2.5	32	0.02	7.20	7.96
SDR0705K-3R3M	3.3	32	0.02	6.30	7.96
SDR0705K-3R9M	3.9	32	0.02	5.70	7.96
SDR0705K-4R7M	4.7	31	0.03	5.00	7.96
SDR0705K-5R6M	5.6	31	0.04	4.60	7.96
SDR0705K-6R8M	6.8	30	0.04	4.10	7.96
SDR0705K-7R5M	7.5	29	0.05	3.70	7.96
SDR0705K-100M	10	25	0.07	3.20	2.52
SDR0705K-120M	12	25	0.08	3.00	2.52
SDR0705K-150M	15	25	0.09	2.70	2.52
SDR0705K-180M	18	20	0.10	2.60	2.52
SDR0705K-220M	22	20	0.11	2.30	2.52
SDR0705K-270K	27	20	0.12	2.10	2.52
SDR0705K-330K	33	15	0.14	1.90	2.52
SDR0705K-390K	39	15	0.16	1.70	2.52
SDR0705K-470K	47	15	0.20	1.60	2.52
SDR0705K-560K	56	15	0.24	1.50	2.52
SDR0705K-680K	68	15	0.30	1.30	2.52
SDR0705K-820K	82	12	0.37	1.20	2.52

- ※ Test Frequency 1KHz ; Test Voltage 1V.
- ※ Operating Temperature Range : -40°C to +125 °C.
- ※ Storage Temperature : -40°C to +125 °C.
- ※ Rated Current ind. Drop 10% typ.
- ※ Inductance Tolerance : M \pm 20% ; K \pm 10%.



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SPECIFICATION TABLE

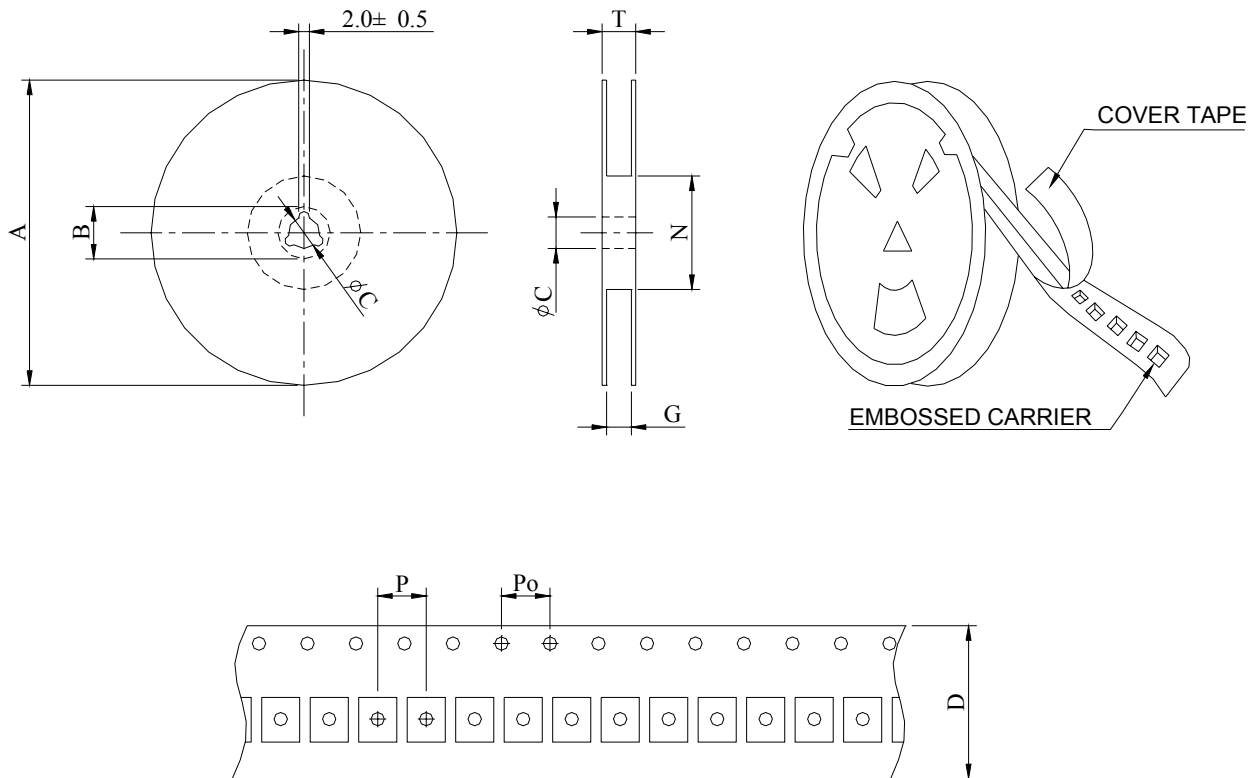
PART NUMBER	INDUCTANCE (μ H)	Q Ref.	DCR (Ω) (max)	IDC (A) (max)	TEST FREQ. (MHz)
SDR0705K-101K	100	12	0.45	1.10	0.796
SDR0705K-121K	120	12	0.48	1.00	0.796
SDR0705K-151K	150	12	0.68	0.85	0.796
SDR0705K-181K	180	12	0.77	0.80	0.796
SDR0705K-221K	220	12	0.96	0.80	0.796
SDR0705K-271K	270	12	1.11	0.66	0.796
SDR0705K-331K	330	12	1.26	0.58	0.796
SDR0705K-391K	390	12	1.77	0.55	0.796
SDR0705K-471K	470	12	1.96	0.50	0.796
SDR0705K-561K	560	30	2.50	0.46	0.796
SDR0705K-681K	680	29	2.80	0.42	0.796
SDR0705K-821K	820	28	4.00	0.35	0.796
SDR0705K-102K	1000	27	4.50	0.34	0.252
SDR0705K-122K	1200	28	6.80	0.28	0.252
SDR0705K-152K	1500	27	8.00	0.26	0.252
SDR0705K-182K	1800	30	9.20	0.23	0.252
SDR0705K-222K	2200	29	10.00	0.20	0.252
SDR0705K-272K	2700	31	11.80	0.18	0.252
SDR0705K-332K	3300	28	16.50	0.17	0.252
SDR0705K-392K	3900	28	18.00	0.16	0.252
SDR0705K-472K	4700	30	21.00	0.15	0.252

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PACKAGING SPECIFICATION



SERIES	Q' TY (PCS)	DIMENSIONS (m/m)								
		A	B±0.8	C±0.5	D	G ⁺⁰	N ⁻⁰	P	Po	T
SDR0705K	1000	330	21	13	16	18	50	12	4	22.4