Coilmaster Electronics Co., Ltd.
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E-mail :info@coilmaster.com.tw
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SDR0705K SERIES ~ SMD POWER INDUCTORS

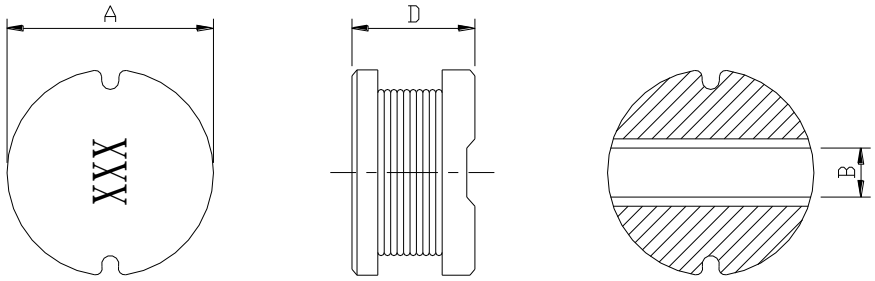
RoHS COMPLIANT | REACH | Halogen Free

PART NUMBERING SYSTEM

SDR	0705K	–	680K	–	LF
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

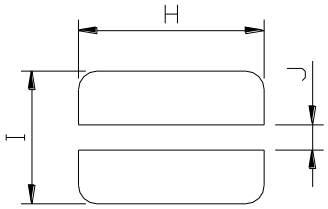
UNIT：mm



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.

FEATURES

- **Available for lead free and RoHS compliant**
- Excellent solder ability and high heat resistance
- **Inductance value from 1.5uH to 4,700uH**
- Excellent terminal strength constructions
- **Small diameter of only 7.8mm maximum and low profile of 5.3mm max.**

APPLICATION

- Input / output of DC/DC converters
- Power supplies for LCD TVs , Car redios , Camcorders , Portable communication equipment

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SDR0705K SERIES ~ SMD POWER INDUCTORS

SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μH)	Q (Ref.)	DCR (Ω) (Max.)	IDC (A) (Max.)	TEST FREQ. (MHz)
SDR0705K-1R5M-LF	1.5±20%	32	0.02	9.10	7.96
SDR0705K-2R5M-LF	2.5±20%	32	0.02	7.20	7.96
SDR0705K-3R3M-LF	3.3±20%	32	0.02	6.30	7.96
SDR0705K-3R9M-LF	3.9±20%	32	0.02	5.70	7.96
SDR0705K-4R7M-LF	4.7±20%	31	0.03	5.00	7.96
SDR0705K-5R6M-LF	5.6±20%	31	0.04	4.60	7.96
SDR0705K-6R8M-LF	6.8±20%	30	0.04	4.10	7.96
SDR0705K-7R5M-LF	7.5±20%	29	0.05	3.70	7.96
SDR0705K-100M-LF	10±20%	25	0.07	3.20	2.52
SDR0705K-120M-LF	12±20%	25	0.08	3.00	2.52
SDR0705K-150M-LF	15±20%	25	0.09	2.70	2.52
SDR0705K-180M-LF	18±20%	20	0.10	2.60	2.52
SDR0705K-220M-LF	22±20%	20	0.11	2.30	2.52
SDR0705K-270K-LF	27±10%	20	0.12	2.10	2.52
SDR0705K-330K-LF	33±10%	15	0.14	1.90	2.52
SDR0705K-390K-LF	39±10%	15	0.16	1.70	2.52
SDR0705K-470K-LF	47±10%	15	0.20	1.60	2.52
SDR0705K-560K-LF	56±10%	15	0.24	1.50	2.52
SDR0705K-680K-LF	68±10%	15	0.30	1.30	2.52
SDR0705K-820K-LF	82±10%	12	0.37	1.20	2.52
SDR0705K-101K-LF	100±10%	12	0.45	1.10	0.796
SDR0705K-121K-LF	120±10%	12	0.48	1.00	0.796
SDR0705K-151K-LF	150±10%	12	0.68	0.85	0.796
SDR0705K-181K-LF	180±10%	12	0.77	0.80	0.796
SDR0705K-221K-LF	220±10%	12	0.96	0.80	0.796
SDR0705K-271K-LF	270±10%	12	1.11	0.66	0.796
SDR0705K-331K-LF	330±10%	12	1.26	0.58	0.796
SDR0705K-391K-LF	390±10%	12	1.77	0.55	0.796
SDR0705K-471K-LF	470±10%	12	1.96	0.50	0.796
SDR0705K-561K-LF	560±10%	30	2.50	0.46	0.796
SDR0705K-681K-LF	680±10%	29	2.80	0.42	0.796
SDR0705K-821K-LF	820±10%	28	4.00	0.35	0.796
SDR0705K-102K-LF	1000±10%	27	4.50	0.34	0.252
SDR0705K-122K-LF	1200±10%	28	6.80	0.28	0.252
SDR0705K-152K-LF	1500±10%	27	8.00	0.26	0.252
SDR0705K-182K-LF	1800±10%	30	9.20	0.23	0.252
SDR0705K-222K-LF	2200±10%	29	10.00	0.20	0.252
SDR0705K-272K-LF	2700±10%	31	11.80	0.18	0.252
SDR0705K-332K-LF	3300±10%	28	16.50	0.17	0.252
SDR0705K-392K-LF	3900±10%	28	18.00	0.16	0.252
SDR0705K-472K-LF	4700±10%	30	21.00	0.15	0.252

- DC current at which the inductance drops 10% (typ) from its value without current.
- Operating temperature range -40℃ to +125℃ , Electrical specifications at 25℃.

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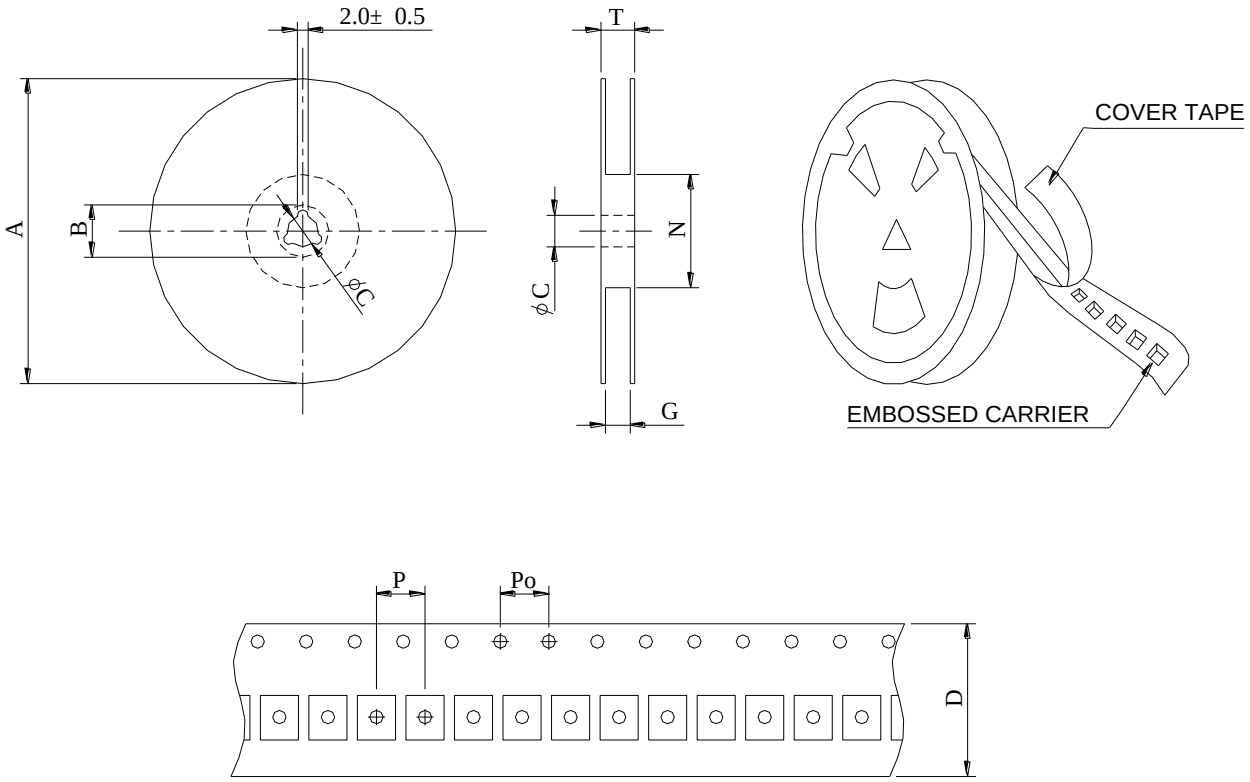
PACKAGING SPECIFICATION



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