

UNSHIELDED SMD POWER INDUCTORS

SDR 31/32/43/52/53/54/73/75/104/105 TYPE

Silver Plated Type, Low cost design. High power, High saturation inductors.

Ideal inductors for DC-DC conversion.



Applications:

Power supply for VRMs.

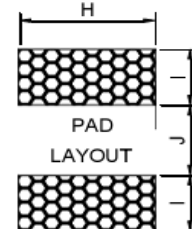
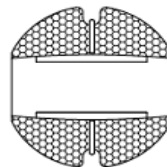
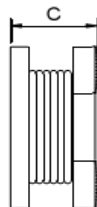
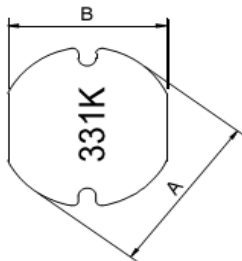
LCD Televisions . Notebook PCs.

Portable communication equipments; DC/DC converters, etc.

Operating Temperature -20°C to 80°C

P/N	A	B	C	H	I	J
SDR31	3.5±0.3	3.0±0.3	1.1±0.2	3.5	1.6	0.8
SDR32	3.5±0.3	3.0±0.3	2.0±0.3	3.5	1.6	0.8
SDR43	4.5±0.3	4.0±0.3	3.2±0.3	4.5	1.75	1.5
SDR52	5.8±0.3	5.2±0.3	2.5±0.3	5.5	2.15	1.7
SDR53	5.8±0.3	5.2±0.3	3.0±0.3	5.5	2.15	1.7
SDR54	5.8±0.3	5.2±0.3	4.5±0.35	5.5	2.15	1.7
SDR73	7.8±0.3	7.0±0.3	3.5±0.5	7.5	3.0	2.0
SDR75	7.8±0.3	7.0±0.3	5.0±0.5	7.5	3.0	2.0
SDR104	10.0±0.3	9.0±0.3	4.0±0.5	9.5	3.75	2.5
SDR105	10.0±0.4	9.0±0.4	5.4±0.4	9.5	3.75	2.5

Shape and Dimensions (Unit : mm)



Inductance Tolerance : M $\pm 20\%$, L $\pm 15\%$, K $\pm 10\%$

Part Number	Inductance	Rated current ranges
SDR31	2.2~27uH	1.2~0.36A
SDR32	1.0~330uH	2.2~0.09A
SDR43	1.0~68uH	2.56~0.37A
SDR52	1.2~220uH	4.2~0.15A
SDR53	1.0~150uH	4.5~0.43A
SDR54	10~220uH	1.44~0.35A
SDR73	10~330uH	1.44~0.28A
SDR75	10~470uH	2.30~0.34A
SDR104	10~560uH	2.38~0.32A
SDR105	10~820uH	2.60~0.24A

SUOTEK ELECTRONICS COMPANY LIMITED

Tel: 86-769-86318023 Fax : 86-769-86318022 Website: www.suotek.com E-mail: sales@suotek.com

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