

SHIELDED SMD POWER INDUCTORS / SDI TYPE

FEATURES

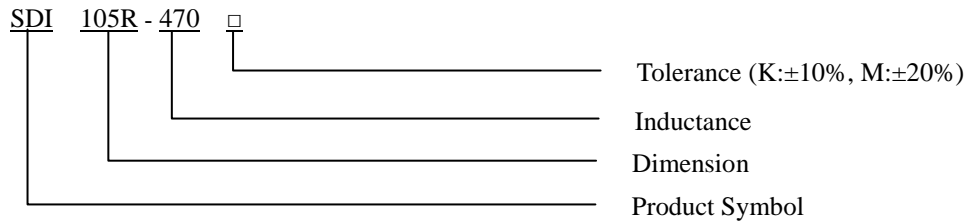
- ◆ Ideal inductors for DC-DC conversion
- ◆ With magnetic shield against radiation
- ◆ High power and high saturation inductors
- ◆ Directly connected electrode on ferrite core



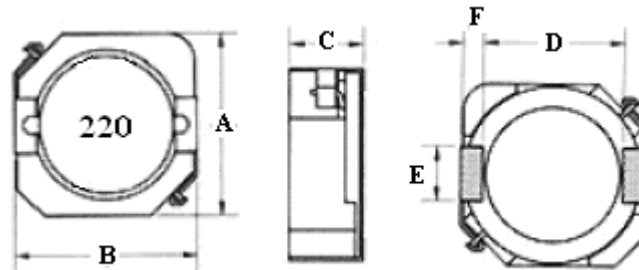
APPLICATIONS

- ◆ Power supply for VTRs .
- ◆ Portable communication equipment .
- ◆ Notebook PCs .
- ◆ LCD televisions .
- ◆ DC/DC converters,etc.

ORDERING CODE



SHAPES



DIMENSIONS (UNIT: mm)

Part No.	A(Max)	B(Max)	C(Max)	D(Ref.)	E(Ref.)	F(Ref.)
SDI 103R	10.3	10.5	3	7.7	3	1.2
SDI 104R	10.3	10.5	4	7.7	3	1.2
SDI 105R	10.3	10.5	5	7.7	3	1.2

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ELECTRICAL CHARACTERISTICS FOR SDI103R

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SDI103R-1R5 □	1.5	0.020	5.00
SDI103R-3R3 □	3.3	0.027	4.20
SDI103R-4R7 □	4.7	0.028	3.50
SDI103R-8R2 □	8.2	0.045	3.30
SDI103R-100 □	10	0.050	2.40
SDI103R-150 □	15	0.080	2.30
SDI103R-220 □	22	0.100	2.16
SDI103R-330 □	33	0.135	1.74
SDI103R-470 □	47	0.230	1.40
SDI103R-560 □	56	0.240	1.20
SDI103R-680 □	68	0.278	1.10
SDI103R-101 □	100	0.360	0.80
SDI103R-221 □	220	1.000	0.65

ELECTRICAL CHARACTERISTICS FOR SDI104R

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SDI104R-1R0 □	1.0	0.018	8.00
SDI104R-2R2 □	2.2	0.020	6.80
SDI104R-3R3 □	3.3	0.022	6.20
SDI104R-4R7 □	4.7	0.024	5.00
SDI104R-5R6 □	5.6	0.025	4.80
SDI104R-6R8 □	6.8	0.027	4.50
SDI104R-8R2 □	8.2	0.033	4.00
SDI104R-100 □	10	0.040	3.50
SDI104R-150 □	15	0.050	3.00
SDI104R-180 □	18	0.055	2.95
SDI104R-220 □	22	0.073	2.90
SDI104R-270 □	27	0.090	2.50
SDI104R-330 □	33	0.093	2.00
SDI104R-470 □	47	0.128	1.80
SDI104R-680 □	68	0.213	1.30
SDI104R-820 □	82	0.245	1.15
SDI104R-101 □	100	0.304	1.00

CORE MASTER ENTERPRISE CO., LTD.



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ELECTRICAL CHARACTERISTICS FOR SDI104R

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SDI104R-121 □	120	0.500	0.90
SDI104R-151 □	150	0.560	0.88
SDI104R-181 □	180	0.630	0.80
SDI104R-221 □	220	0.756	0.70
SDI104R-331 □	330	1.500	0.46

ELECTRICAL CHARACTERISTICS FOR SDI105R

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SDI105R-2R2 □	2.2	0.009	8.50
SDI105R-3R3 □	3.3	0.011	7.20
SDI105R-4R7 □	4.7	0.019	5.00
SDI105R-6R8 □	6.8	0.025	4.60
SDI105R-8R2 □	8.2	0.030	4.00
SDI105R-100 □	10	0.035	3.50
SDI105R-150 □	15	0.041	3.00
SDI105R-220 □	22	0.061	2.20
SDI105R-330 □	33	0.090	2.00
SDI105R-470 □	47	0.125	1.80
SDI105R-560 □	56	0.130	1.40
SDI105R-680 □	68	0.201	1.35
SDI105R-101 □	100	0.210	1.05
SDI105R-121 □	120	0.230	0.92
SDI105R-151 □	150	0.270	0.90
SDI105R-181 □	180	0.300	0.85
SDI105R-221 □	220	0.400	0.70
SDI105R-331 □	330	0.800	0.60
SDI105R-471 □	470	1.280	0.50
SDI105R-561 □	560	1.300	0.47
SDI105R-681 □	680	1.350	0.39
SDI105R-821 □	820	2.000	0.30
SDI105R-102 □	1000	2.150	0.28

* 100uH 以上 Test Frequency : 1KHZ/1V

* 100uH 以下 Test Frequency : 100KHZ/0.1V

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