

SHIELDED SMD POWER INDUCTORS / SDI TYPE

FEATURES

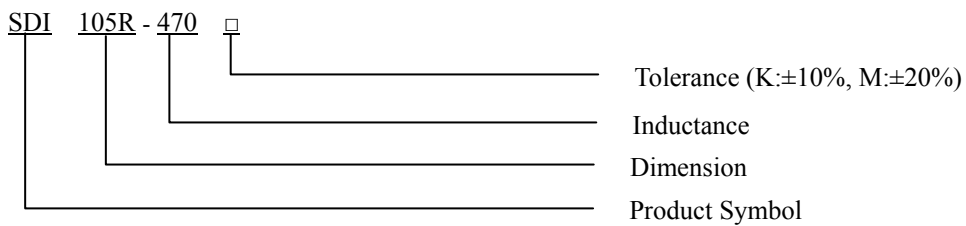
- ◆ Ideal inductors for DC-DC conversion
- ◆ With magnetic shield against radiation
- ◆ High power and high saturation inductors
- ◆ Directly connected electrode on ferrite core

APPLICATIONS

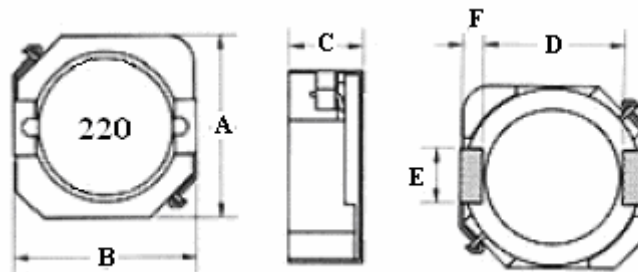
- ◆ LCD TV
- ◆ Notebook
- ◆ DC/DC converters
- ◆ Power supply for VTRs
- ◆ Portable communication equipment



ORDERING CODE



SHAPES



SHIELDED SMD POWER INDUCTORS / SDI TYPE

DIMENSIONS (UNIT: mm)

Part No.	A(Max)	B(Max)	C(Max)	D(Ref.)	E(Ref.)	F(Ref.)
SDI 103R	10.3	10.5	3.0	7.7	3.0	1.2
SDI 104R	10.3	10.5	4.0	7.7	3.0	1.2
SDI 105R	10.3	10.5	5.0	7.7	3.0	1.2
SDI 106R	10.3	10.5	6.0	7.7	3.0	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 -2R4 □	2.4	0.024	4.50
SDI103R -2R5 □	2.5	0.025	4.50
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	2.40
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

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ELECTRICAL CHARACTERISTICS FOR SDI104R

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SDI104R -0R3 □	0.3	0.015	11.00
SDI104R -1R0 □	1.0	0.018	8.00
SDI104R -1R5 □	1.5	0.018	7.50
SDI104R -2R2 □	2.2	0.020	6.80
SDI104R -2R5 □	2.5	0.020	6.40
SDI104R -3R3 □	3.3	0.020	6.20
SDI104R -3R8 □	3.8	0.023	6.10
SDI104R -4R7 □	4.7	0.024	5.00
SDI104R -5R2 □	5.2	0.025	4.90
SDI104R -5R6 □	5.6	0.025	4.80
SDI104R -5R8 □	5.8	0.026	4.80
SDI104R -6R8 □	6.8	0.027	4.50
SDI104R -7R0 □	7	0.027	4.50
SDI104R -8R2 □	8.2	0.050	4.00
SDI104R -100 □	10	0.050	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
SDI104R -121 □	120	0.500	0.90
SDI104R -151 □	150	0.506	0.88
SDI104R -181 □	180	0.750	0.80
SDI104R -221 □	220	0.756	0.70
SDI104R -331 □	330	1.500	0.46

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ELECTRICAL CHARACTERISTICS FOR SDI105R

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SDI105R -2R2 □	2.2	0.0090	8.50
SDI105R -3R3 □	3.3	0.0105	7.20
SDI105R -4R0 □	4.0	0.0140	6.50
SDI105R -4R7 □	4.7	0.0190	5.00
SDI105R -6R8 □	6.8	0.0250	4.60
SDI105R -8R2 □	8.2	0.0300	4.00
SDI105R -100 □	10	0.0300	3.50
SDI105R -120 □	12	0.0300	3.10
SDI105R -150 □	15	0.0410	3.00
SDI105R -220 □	22	0.0610	2.20
SDI105R -330 □	33	0.0900	2.00
SDI105R -470 □	47	0.1250	1.80
SDI105R -560 □	56	0.1300	1.40
SDI105R -680 □	68	0.2010	1.35
SDI105R -101 □	100	0.2100	1.05
SDI105R -121 □	120	0.2300	0.92
SDI105R -151 □	150	0.2700	0.90
SDI105R -181 □	180	0.2880	0.85
SDI105R -221 □	220	0.4000	0.70
SDI105R -331 □	330	0.8000	0.50
SDI105R -471 □	470	1.2800	0.50
SDI105R -561 □	560	1.3000	0.47
SDI105R -681 □	560	1.3500	0.39
SDI105R -821 □	680	2.0000	0.30
SDI105R -102 □	1000	2.1500	0.28

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ELECTRICAL CHARACTERISTICS FOR SDI106R

Part No.	Inductance (uH)	RDC (Ω)	IDC (A)
SDI106R -3R3 □	3.3	0.010	7.50
SDI106R -4R7 □	4.7	0.018	5.60
SDI106R -6R8 □	6.8	0.022	5.30
SDI106R -8R2 □	8.2	0.023	4.50
SDI106R -100 □	10	0.025	4.20
SDI106R -120 □	12	0.027	3.60
SDI106R -150 □	15	0.031	3.00
SDI106R -180 □	18	0.041	3.00
SDI106R -220 □	22	0.055	2.50
SDI106R -330 □	33	0.085	2.20
SDI106R -470 □	47	0.115	1.80
SDI106R -680 □	68	0.150	1.40
SDI106R -820 □	82	0.180	1.20
SDI106R -101 □	100	0.200	1.10
SDI106R -121 □	120	0.210	1.00
SDI106R -151 □	150	0.250	1.00
SDI106R -181 □	180	0.250	0.85
SDI106R -221 □	220	0.400	0.80
SDI106R -331 □	330	0.500	0.70
SDI106R -681 □	680	0.950	0.40
SDI106R -821 □	820	1.500	0.40
SDI106R -102 □	1000	1.550	0.30

* 100uH 以上 Test Frequency : 1KHZ/1V

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