

SHIELDED SMD POWER INDUCTORS / SPI TYPE

FEATURES

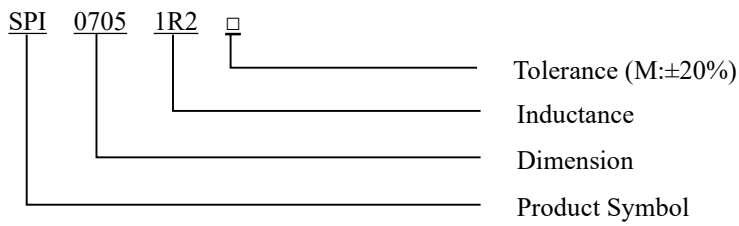
- ◆ With magnetic shield against radiation
- ◆ With magnetic shield against radiation
- ◆ Compact, low profile with low RDC and large current



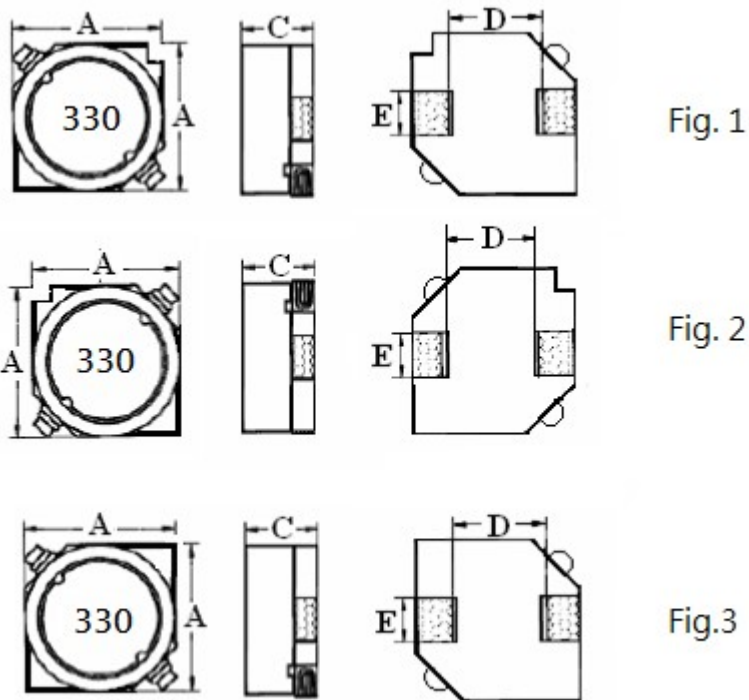
APPLICATIONS

- ◆ Portable telephones.
- ◆ Personal computers.
- ◆ DC/DC converters, etc.
- ◆ Other various electronic appliances.

ORDERING CODE



SHAPES



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DIMENSIONS (UNIT: mm)

Part No.	Fig.	A	C	D (Ref.)	E (Ref.)
SPI 0603	3	6.0 ± 0.2	2.8 ± 0.2	4.0	2.0
SPI 0703	1	7.0 ± 0.2	3.2 ± 0.2	4.9	2.0
SPI 0705	1	7.0 ± 0.2	4.5 ± 0.3	4.9	2.0
SPI 1005	1	10.5 ± 0.5	5.0 (MAX)	6.0	2.0
SPI 1208	2	12.5 ± 0.3	7.5 ± 0.35	8.6	2.0

ELECTRICAL CHARACTERISTICS FOR SPI0603

Part No.	Inductance (μ H)	RDC (Ω)	IDC (A)
SPI0603-2R7 □	2.7	0.040	2.50
SPI0603-3R3 □	3.3	0.050	2.35
SPI0603-4R7 □	4.7	0.055	1.90
SPI0603-6R8 □	6.8	0.090	1.78
SPI0603-100 □	10	0.150	1.40
SPI0603-150 □	15	0.170	1.35
SPI0603-180 □	18	0.200	1.10
SPI0603-220 □	22	0.250	0.95
SPI0603-330 □	33	0.300	0.80
SPI0603-470 □	47	0.450	0.70
SPI0603-680 □	68	0.500	0.60
SPI0603-101 □	100	1.100	0.40
SPI0603-151 □	150	1.500	0.33



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ELECTRICAL CHARACTERISTICS FOR SPI0703

Part No.	Inductance (μ H)	RDC (Ω)	IDC (A)
SPI0703-1R0 □	1.0	0.025	7.00
SPI0703-2R2 □	2.2	0.030	4.50
SPI0703-3R3 □	3.3	0.035	3.20
SPI0703-4R7 □	4.7	0.040	2.80
SPI0703-6R8 □	6.8	0.060	2.30
SPI0703-100 □	10	0.080	1.90
SPI0703-150 □	15	0.095	1.45
SPI0703-220 □	22	0.170	1.30
SPI0703-330 □	33	0.160	1.10
SPI0703-470 □	47	0.268	0.96
SPI0703-680 □	68	0.350	0.80
SPI0703-101 □	100	0.450	0.60
SPI0703-151 □	150	1.000	0.50
SPI0703-221 □	220	1.500	0.35
SPI0703-102 □	1000	4.200	0.20

ELECTRICAL CHARACTERISTICS FOR SPI0705

Part No.	Inductance (μ H)	RDC (Ω)	IDC (A)
SPI0705-1R0 □	1.0	0.023	7.00
SPI0705-2R2 □	2.2	0.025	4.00
SPI0705-3R3 □	3.3	0.026	3.20
SPI0705-4R7 □	4.7	0.030	2.80
SPI0705-6R8 □	6.8	0.036	2.30
SPI0705-100 □	10	0.043	1.90
SPI0705-150 □	15	0.055	1.50
SPI0705-220 □	22	0.100	1.30
SPI0705-330 □	33	0.150	1.28
SPI0705-470 □	47	0.160	0.92
SPI0705-680 □	68	0.200	0.75
SPI0705-820 □	82	0.270	0.70
SPI0705-101 □	100	0.320	0.58



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ELECTRICAL CHARACTERISTICS FOR SPI0705

Part No.	Inductance (μ H)	RDC (Ω)	IDC (A)
SPI0705-121 □	120	0.350	0.53
SPI0705-221 □	220	0.800	0.40
SPI0705-331 □	330	0.850	0.36
SPI0705-102 □	1000	3.000	0.17

ELECTRICAL CHARACTERISTICS FOR SPI1005

Part No.	Inductance (μ H)	RDC (Ω)	IDC (A)
SPI1005-2R2 □	2.2	0.016	7.00
SPI1005-3R3 □	3.3	0.018	5.50
SPI1005-4R7 □	4.7	0.020	4.80
SPI1005-5R6 □	5.6	0.030	4.50
SPI1005-6R8 □	6.8	0.035	4.30
SPI1005-100 □	10	0.040	3.50
SPI1005-150 □	15	0.050	3.20
SPI1005-220 □	22	0.059	2.50
SPI1005-330 □	33	0.082	1.70
SPI1005-470 □	47	0.150	1.60
SPI1005-680 □	68	0.200	1.20
SPI1005-101 □	100	0.300	1.10
SPI1005-151 □	150	0.400	1.00
SPI1005-221 □	220	0.600	0.90
SPI1005-331 □	330	0.785	0.70
SPI1005-681 □	680	2.500	0.40



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ELECTRICAL CHARACTERISTICS FOR SPI1208

Part No.	Inductance (μ H)	RDC (Ω)	IDC (A)
SPI1208-6R8 □	6.8	0.030	9.50
SPI1208-100 □	10	0.035	8.00
SPI1208-150 □	15	0.050	7.00
SPI1208-220 □	22	0.060	5.80
SPI1208-330 □	33	0.080	4.50
SPI1208-470 □	47	0.125	4.10
SPI1208-680 □	68	0.157	3.30
SPI1208-101 □	100	0.250	2.70
SPI1208-221 □	220	0.430	2.00
SPI1208-471 □	470	0.770	1.35

* 100 μ H 以上 Test Frequency : 1KHZ/1V

* 100 μ H 以下 Test Frequency : 1KHZ/0.25V



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