

UNSHIELDED SMD POWER INDUCTORS / TPY TYPE

FEATURES

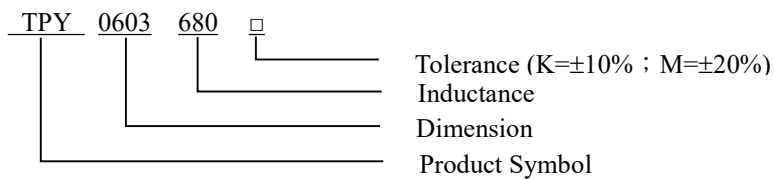
- ◆ Surface mount inductor with high current rating.
- ◆ Low resistance to keep power loss minimum.



APPLICATIONS

- ◆ DC/DC converters, etc.
- ◆ Various categories of consumer electronics.

ORDERING CODE



SHAPES

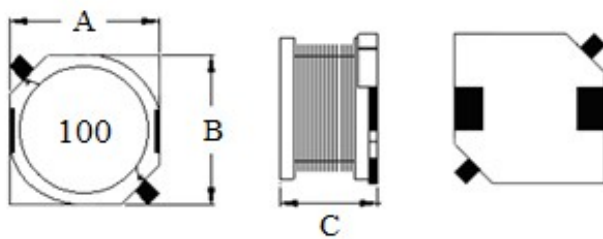


Fig 1.

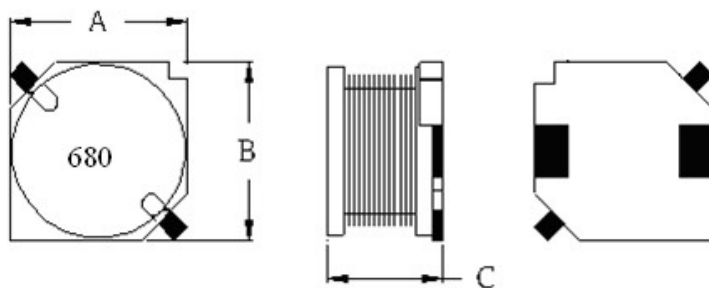


Fig 2.

DIMENSIONS (UNIT:mm)

Part No.	Fig.	A	B	C
TPY 0603	1	6.0 ± 0.2	6.0 ± 0.2	3.0 ± 0.2
TPY 0703	2	7.0 ± 0.3	7.0 ± 0.3	3.0 ± 0.3
TPY 0705	2	7.0 ± 0.3	7.0 ± 0.3	4.6 ± 0.3



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ELECTRICAL CHARACTERISTICS FOR TPY0603

Part No.	Inductance (μ H)	RDC (Ω) MAX	IDC (A) MAX
TPY0603-4R7 □	4.7	0.065	1.85
TPY0603-6R8 □	6.8	0.090	1.55
TPY0603-100 □	10	0.115	1.30
TPY0603-150 □	15	0.180	1.10
TPY0603-220 □	22	0.250	0.98
TPY0603-330 □	33	0.380	0.83
TPY0603-470 □	47	0.430	0.68
TPY0603-560 □	56	0.620	0.63
TPY0603-680 □	68	0.710	0.58
TPY0603-820 □	82	0.730	0.48
TPY0603-101 □	100	1.050	0.42

ELECTRICAL CHARACTERISTICS FOR TPY0703

Part No.	Inductance (μ H)	RDC (Ω) MAX	IDC (A) MAX
TPY0703-3R3 □	3.3	0.042	2.20
TPY0703-4R7 □	4.7	0.055	2.00
TPY0703-6R8 □	6.8	0.065	1.60
TPY0703-100 □	10	0.080	1.40
TPY0703-150 □	15	0.120	1.10
TPY0703-220 □	22	0.150	1.00
TPY0703-330 □	33	0.230	0.85
TPY0703-470 □	47	0.310	0.70
TPY0703-560 □	56	0.390	0.65
TPY0703-680 □	68	0.430	0.60
TPY0703-820 □	82	0.490	0.50
TPY0703-101 □	100	0.650	0.45
TPY0703-151 □	150	0.850	0.35
TPY0703-221 □	220	1.250	0.30



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ELECTRICAL CHARACTERISTICS FOR TPY0705

Part No.	Inductance (μ H)	RDC (Ω) MAX	IDC (A) MAX
TPY0705-3R3 □	3.3	0.040	2.70
TPY0705-4R7 □	4.7	0.050	2.50
TPY0705-6R8 □	6.8	0.060	2.20
TPY0705-100 □	10	0.075	2.00
TPY0705-150 □	15	0.090	1.50
TPY0705-220 □	22	0.120	1.30
TPY0705-330 □	33	0.180	1.10
TPY0705-470 □	47	0.220	0.90
TPY0705-560 □	56	0.250	0.85
TPY0705-680 □	68	0.270	0.80
TPY0705-820 □	82	0.380	0.70
TPY0705-101 □	100	0.420	0.65
TPY0705-151 □	150	0.580	0.50
TPY0705-221 □	220	0.880	0.40
TPY0705-331 □	330	1.100	0.32
TPY0705-471 □	470	2.100	0.28
TPY0705-561 □	560	2.200	0.25
TPY0705-681 □	680	2.500	0.22
TPY0705-821 □	820	2.900	0.20
TPY0705-102 □	1000	4.000	0.18

* Test Frequency : 100KHZ/0.1V



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