

UNSHIELDED SMD POWER INDUCTORS / TPY TYPE

FEATURES

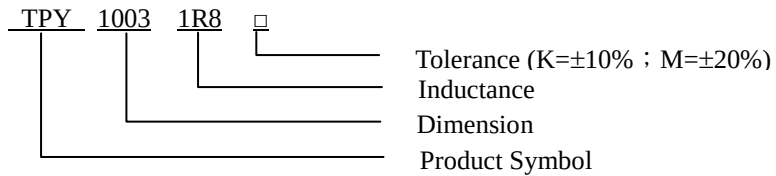
- ◆ Surface mount inductor with high current rating.
- ◆ Low resistance to keep power loss minimum.



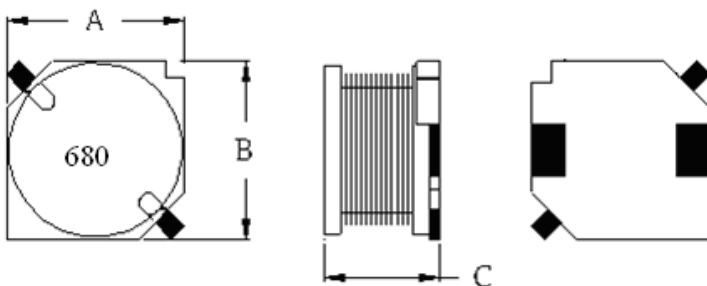
APPLICATIONS

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

ORDERING CODE



DIMENSIONS (UNIT:mm)



A	10.0 ± 0.3	m/m
B	10.0 ± 0.3	m/m
C	3.0 ± 0.3	m/m



CORE MASTER ENTERPRISE CO., LTD.

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ELECTRICAL CHARACTERISTICS FOR TPY1003

Part No.	Inductance (μ H)	RDC (Ω) MAX	IDC (A) MAX
TPY1003-1R8M	1.8 $\pm$ 20%	0.027	4.00
TPY1003-2R7M	2.7 $\pm$ 20%	0.030	3.65
TPY1003-3R9M	3.9 $\pm$ 20%	0.035	3.15
TPY1003-4R7M	4.7 $\pm$ 20%	0.040	3.00
TPY1003-6R8M	6.8 $\pm$ 20%	0.050	2.35
TPY1003-100M	10 $\pm$ 20%	0.060	2.20
TPY1003-120M	12 $\pm$ 20%	0.080	2.00
TPY1003-150M	15 $\pm$ 20%	0.100	1.75
TPY1003-180L	18 $\pm$ 15%	0.110	1.70
TPY1003-220L	22 $\pm$ 15%	0.140	1.60
TPY1003-270L	27 $\pm$ 15%	0.160	1.40
TPY1003-330L	33 $\pm$ 15%	0.210	1.20
TPY1003-390L	39 $\pm$ 15%	0.235	1.10
TPY1003-470L	47 $\pm$ 15%	0.280	1.00
TPY1003-560L	56 $\pm$ 15%	0.320	0.90
TPY1003-680L	68 $\pm$ 15%	0.370	0.85
TPY1003-820L	82 $\pm$ 15%	0.430	0.74
TPY1003-101K	100 $\pm$ 10%	0.560	0.70
TPY1003-121K	120 $\pm$ 10%	0.640	0.60
TPY1003-151K	150 $\pm$ 10%	0.730	0.55
TPY1003-181K	180 $\pm$ 10%	0.960	0.50
TPY1003-221K	220 $\pm$ 10%	1.100	0.48
TPY1003-271K	270 $\pm$ 10%	1.240	0.45
TPY1003-331K	330 $\pm$ 10%	1.640	0.38
TPY1003-391K	390 $\pm$ 10%	1.790	0.35
TPY1003-471K	470 $\pm$ 10%	2.050	0.30
TPY1003-561K	560 $\pm$ 10%	2.890	0.29
TPY1003-681K	680 $\pm$ 10%	3.240	0.27
TPY1003-821K	820 $\pm$ 10%	3.700	0.25
TPY1003-102K	1000 $\pm$ 10%	7.000	0.24

* Test Frequency : 100KHZ/0.1V



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