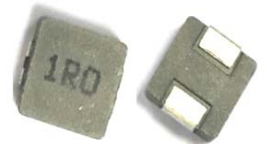




FEATURES

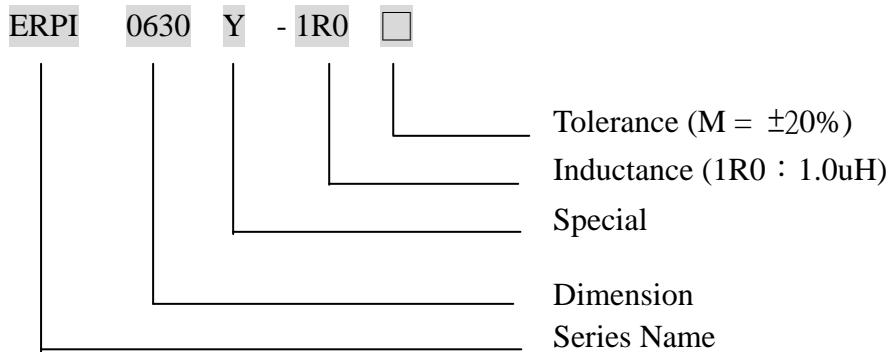
- High performance (Isat) realized by metal dust core.
- Performance low resistance , high current rating.
- Low loss realized with low DCR.
- Low core loss.
- 100% lead (Pb) free meet ROHS standard.



Applications

- DC/DC converter for CPU in Notebook PC.
- Battery powered devices.

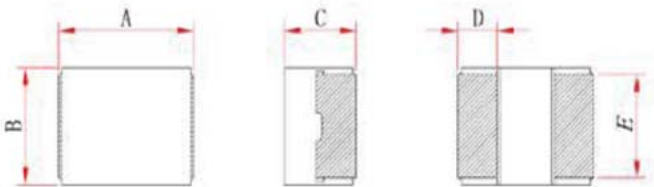
PART NUMBER SYSTEM



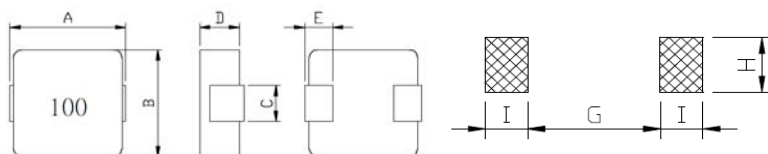
SHAPES AND DIMENSIONS (mm)

TYPE	A	B	C	D	E	G	H	I
252012	2.5±0.2	2.0±0.2	1.2±0.2	0.6±0.2	1.84±0.2	2.8	1.2	2.0
0420Y	4.4±0.35	4.2±0.25	2.0±0.2	2.0±0.2	1.1±0.3	2.2	2.50	2.50
0530	5.49±0.4	5.18±0.3	2.3±0.3	3.0±0.2	1.2±0.3	3.00	2.50	1.85
0630Y	7.6±0.2	6.9±0.2	3.0±0.2	3.0±0.2	1.6±0.3	3.70	3.50	3.50
1004M	10.5±1.0	10.3±0.2	3.0±0.3	4.0±0.2	2.0±0.5	5.00	3.80	4.60

ERPI252012



ERPI0420Y/0530/0630Y/1004M





Electrical Characteristics

Part Number	Inductance (μ H)	DCR (m Ω)Max	Isat (A) Typ	Irms (A) Typ
252012 系列				
ERPI252012-R22□	0.22	14.0	8.7	7.3
ERPI252012-R33□	0.33	17.0	6.5	5.8
ERPI252012-R47□	0.47	27.0	6.3	4.7
ERPI252012-R68□	0.68	40.0	4.3	3.8
ERPI252012-1R0□	1.00	49.0	4.0	3.6
ERPI252012-1R5□	1.50	70.0	2.9	2.8
ERPI252012-2R2□	2.20	105.0	2.5	2.3
0420Y 系列				
ERPI0420Y-R10□	0.10	4.0	22.0	12.0
ERPI0420Y-R22□	0.22	6.6	12.5	9.0
ERPI0420Y-R47□	0.47	14	9.5	7.0
ERPI0420Y-R56□	0.56	16	10.0	6.5
ERPI0420Y-R68□	0.68	18	9.0	6.0
ERPI0420Y-1R0□	1.00	27	7.0	4.5
ERPI0420Y-1R2□	1.20	27	7.0	4.5
ERPI0420Y-1R5□	1.50	46	6.0	4.0
ERPI0420Y-2R2□	2.20	58	5.0	3.0
ERPI0420Y-3R3□	3.30	87	4.0	2.5
ERPI0420Y-4R7□	4.70	105	3.0	2.2
ERPI0420Y-6R8□	6.8	175	2.5	2.0
ERPI0420Y-100□	10.0	282	2.2	1.6
0530 系列				
ERPI0530-R33□	0.33	9.0	15	8.0
ERPI0530-R47□	0.47	8.5	14	8.0
ERPI0530-R68□	0.68	11.0	14	7.0
ERPI0530-1R0□	1.0	14.0	12.0	6.0
ERPI0530-2R2□	2.2	32.5	9.0	5.0
ERPI0530-3R3□	3.3	38.0	8.0	5.0
ERPI0530-4R7□	4.7	77.5	8.2	3.5
ERPI0530-6R8□	6.8	100.0	7.0	4.0
ERPI0530-150□	15	163.0	4.0	2.5
ERPI0530-220□	22.0	324.0	3.5	2.0
0630Y 系列				
ERPI0630Y-R56□	0.56	6.0	30.0	13.5
ERPI0630Y-R82□	0.82	8.0	24.0	13.0

NOTE : □Tolerance value : M=±20%

**Electrical Characteristics**

Part Number	Inductance (μH)	DCR (mΩ)Max	Isat (A) Typ	Irms (A) Typ
ERPI0630Y-1R0□	1.00	10.0	21.5	11.0
ERPI0630Y-1R5□	1.50	15.0	18.0	9.0
ERPI0630Y-2R2□	2.20	20.0	13.5	8.0
ERPI0630Y-2R7□	2.70	20.0	13.5	7.5
ERPI0630Y-3R3□	3.30	30.0	13.0	6.0
ERPI0630Y-4R7□	4.70	40.0	9.5	5.5
ERPI0630Y-5R6□	5.60	45.0	9.0	5.5
ERPI0630Y-6R8□	6.80	58.0	8.0	4.5
ERPI0630Y-8R2□	8.20	68.0	6.0	4.0
ERPI0630Y-100□	10.0	85.0	5.0	3.5
ERPI0630Y-150□	15.0	94.5	4.5	3.0

1004M 系列

ERPI1004M-R36□	0.36	1.4	40.0	25.0
ERPI1004M-R82□	0.82	1.9	22.0	14.0
ERPI1004M-1R0□	1.0	2.4	26.0	15.0
ERPI1004M-3R3□	3.3	11.5	18.0	11.0
ERPI1004M-4R7□	4.7	15.0	13.0	6.5
ERPI1004M-6R8□	6.8	20.0	11.0	6.0
ERPI1004M-8R2□	8.2	37.0	10.0	6.0
ERPI1004M-100□	10.0	40.0	9.0	5.0
ERPI1004M-150□	15.0	59.0	9.0	6.0
ERPI1004M-220□	22.0	72.0	7.0	4.0
ERPI1004M-330□	33.0	105.0	5.0	3.5
ERPI1004M-470□	47	145.0	5.0	3.0

NOTE : □Tolerance value : M=±20%