FEATURES

- High Current application.
- Ferrite core construction
- Magnetically shielded
- RoHs compliance

APPLICATIONS

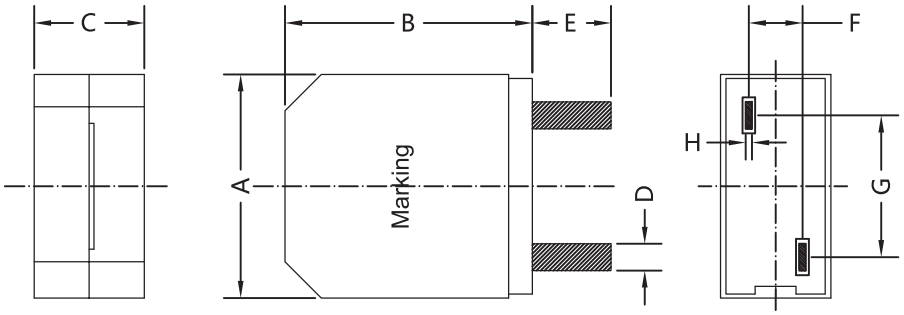
- Ideally used in Digital amplifier filter in caraudio, home theater and large LCD etc

PRODUCT IDENTIFICATION

EPR 1416 – 100 M - T
a b c d e

a : Series name
b : Product dimensions
c : Inductance Value (1R0:1.0uH; 100: 10uH; 101:100uH)
d : Inductance Tolerance (K:10% ; M:20% ; N:30%)
e : Packaging style (T: Taping; B: bulk)

SHAPES AND DIMENSIONS Unit: mm



Series	Dimensions(mm)							
	A	B	C	D	E	F	G	H
EPR1315	13.5 Max	15.0 Max	7.0 Max	1.8 Ref	5.0±0.5	3.3±0.5	8.4±0.5	0.30~0.60
EPR1416	14.5 Max	16.0 Max	10.2 Max	1.8 Ref	5.0±0.5	4.5±0.5	9.0±0.5	0.35~0.65

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test Freq.(KHz)	DCR max.(Ω)	Isat.(A)	Irms.(A)
EPR1315-4R7MB	4.7	1.0	5.4	17.0	11.6
EPR1315-5R6MB	5.6	1.0	6.3	14.5	11.0
EPR1315-8R2MB	8.2	1.0	9.6	12.5	7.8
EPR1315-100MB	10	1.0	10.5	10.5	7.4
EPR1315-120MB	12	1.0	17.5	10.0	5.8
EPR1315-150MB	15	1.0	19.0	9.0	5.6
EPR1315-180MB	18	1.0	20.2	8.3	5.4
EPR1315-220MB	22	1.0	21.5	7.0	5.2

Part Number	L(uH)	Test Freq.(KHz)	DCR max.(Ω)	Isat.(A)	Irms.(A)
EPR1416-5R0MB	5	1.0	5.1	18.5	14.2
EPR1416-100MB	10	1.0	9.1	13.5	11.7
EPR1416-150MB	15	1.0	9.5	8.5	11.2
EPR1416-180MB	18	1.0	10.1	7.9	9.6
EPR1416-220MB	22	1.0	11.4	7.3	8.5
EPR1416-270MB	27	1.0	13.8	6.5	7.7
EPR1416-330MB	33	1.0	15.0	5.9	7.2

Note:
Isat: DC current at which the inductance drops 30% from its value without current.
Irms: DC current that causes the temperature rise (△T =40°C) from 20°C ambient