

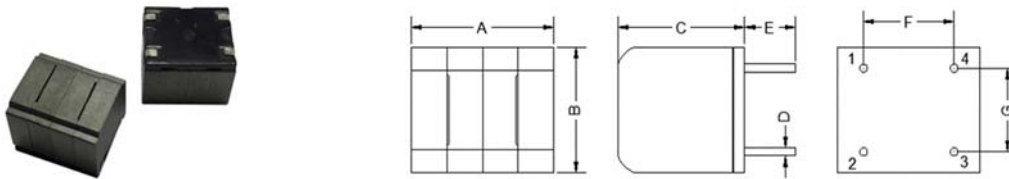
Features

- Compact size using flat wire for surface mount purpose.
- Low radiation noise by magnetically shielded construction.
- Super high current and Low resistance.
- The optimal design realizes high quality sound and low distortion.
- Space reduction is realized by 2 in 1 construction.

Applications

- Suitable as choke for digital amplifier car audio, LCD and PDP TV, 5.1ch Home theater.

Shapes and Dimensions



Type	A	B	C	D	E	F	G
SDEP1416	15.5 ± 0.5	14.5 ± 0.5	16.0 Max.	0.8 ± 0.1	5.0 ± 0.5	11.5 ± 0.5	8.5 ± 0.5

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDEP1416-6R0MB	6.0 ± 20%	1	8.20	17.00	11.00
SDEP1416-100MB	7.5 ± 20%	1	9.30	16.00	9.00
SDEP1416-150MB	10.0 ± 20%	1	13.50	13.00	8.00
SDEP1416-220MB	15.0 ± 20%	1	17.50	11.00	6.80
SDEP1416-330MB	18.0 ± 20%	1	17.50	9.70	6.80
SDEP1416-470MB	22.0 ± 20%	1	17.50	8.30	6.80

NOTES:

Isat: DC current at which the inductance drops approximately 30% from its value without current.

Irms: DC current that causes the temperature rise ($\Delta T=40^{\circ}\text{C}$) from 20°C ambient