

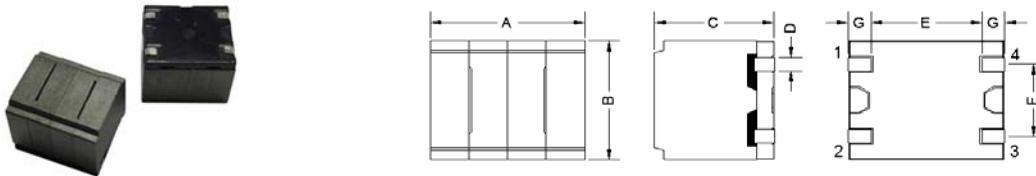
Features

- 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
SDEP1013	10.5 ± 0.5	10.5 ± 0.5	13.0 Max.	1.2 ref.	7.0 ref.	6.4 ref.	1.9 ref.

Electrical Characteristics

Part Number	Inductance (uH)	Measuring Freq. (KHz)	D.C.R (Ω) max.	Isat (A) max.	Irms (A) max.
SDEP1013-6R8MB	6.8 ± 20%	1	15.20	11.00	6.50
SDEP1013-8R2MB	8.2 ± 20%	1	16.50	10.00	5.80
SDEP1013-100MB	10.0 ± 20%	1	23.40	8.60	5.00
SDEP1013-120MB	12.0 ± 20%	1	25.00	7.30	5.00
SDEP1013-150MB	15.0 ± 20%	1	25.00	5.70	5.00
SDEP1013-180MB	18.0 ± 20%	1	25.00	4.60	5.00
SDEP1013-220MB	22.0 ± 20%	1	25.00	3.50	5.00

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