

Surface Mount High Current Power Inductors SEDW Series



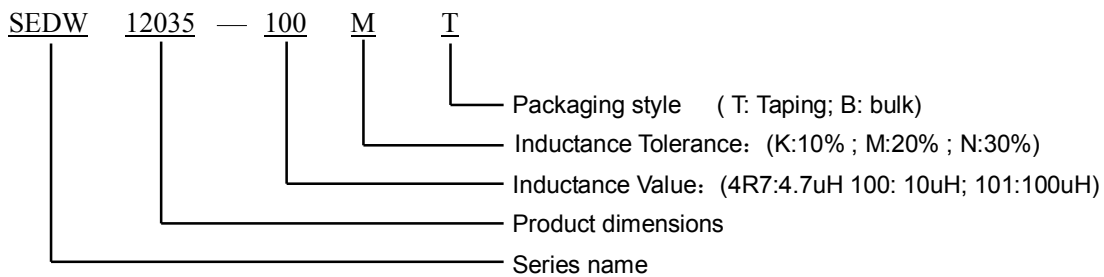
Features

- Using the latest state of the art fine rectangular magnet wire construction.
- Super low resistance, ultra high rating current.

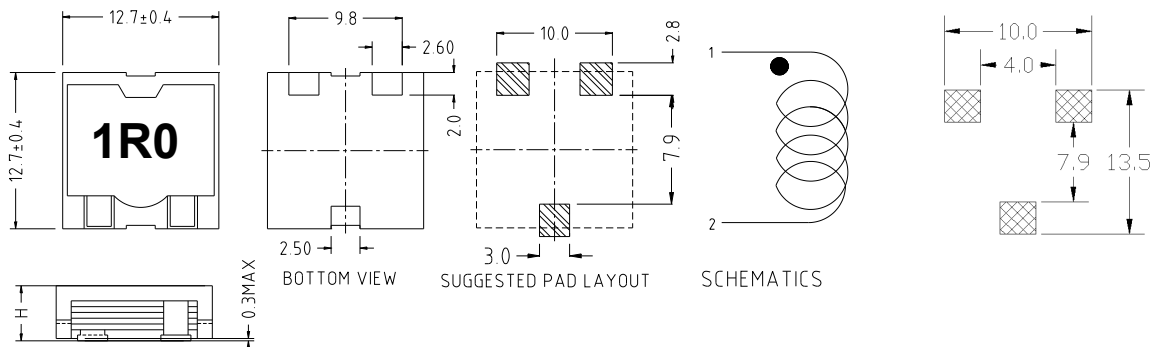
Applications

- Excellent for power line DC-DC conversion applications used in notebook computers and other handheld electronic equipment.

PRODUCT IDENTIFICATION



SHAPES AND DIMENSIONS Unit:mm



Part Number	H
SEDW12035	3.5±0.3
SEDW12050	5.0±0.3
SEDW12060	6.0±0.3
SEDW12060	7.0±0.3

ELECTRICAL CHARACTERISTICS

Part Number	L(uH)	Test req.(KHz)	DCR Max. (Ω)	Irated(A)
SEDW12035-R30M	0.30	100	2.0	34.0
SEDW12035-R70M	0.70	100	4.5	26.0
SEDW12035-1R3M	1.30	100	6.5	23.0

Part Number	L(uH)	Test req.(KHz)	DCR Max. (Ω)	Irated(A)
SEDW12050-R60M	0.60	100	2.0	33.0
SEDW12050-1R1M	1.10	100	3.0	26.0
SEDW12050-1R7M	1.70	100	4.5	21.0
SEDW12050-2R5M	2.50	100	6.0	18.0
SEDW12050-4R7M	4.70	100	12.0	12.0
SEDW12050-5R6M	5.60	100	15.0	10.0

Part Number	L(uH)	Test req.(KHz)	DCR Max. (Ω)	Irated(A)
SEDW12060-1R5M	1.50	100	3.5	25.0
SEDW12060-2R1M	2.10	100	4.5	20.0
SEDW12060-2R8M	2.80	100	6.0	18.0
SEDW12060-4R7M	4.70	100	9.0	13.0
SEDW12060-5R6M	5.60	100	15.0	11.5
SEDW12060-7R8M	7.80	100	20.0	9.0

Part Number	L(uH)	Test req.(KHz)	DCR Max. (Ω)	Irated(A)
SEDW12070-2R0M	2.00	100	4.0	21.0
SEDW12070-2R7M	2.70	100	5.5	18.0
SEDW12070-4R5M	4.50	100	8.0	13.0
SEDW12070-6R5M	6.50	100	12.0	9.5
SEDW12070-8R8M	8.80	100	18.0	8.0
SEDW12070-120M	12.00	100	25.0	7.0

- Isat: DC current at which the inductance drops 35% from its value without current.
- I rms: Current that causes a 40°C temperature rise from 25°C ambient.