

Drum Core Surface Mount Unshielded Power Inductors

(1) Features

1. Excellent solderability and high heat resistance.
2. Excellent terminal strength construction.
3. Packed in embossed carrier tape and can be used by automatic mounting machine.

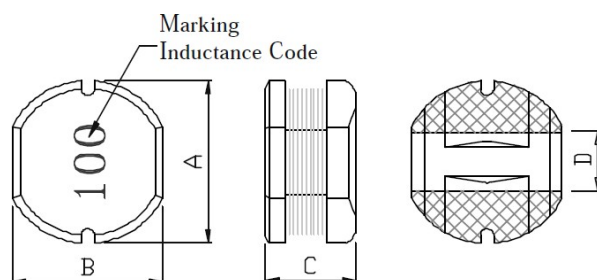


◆ Applications

Power supply for VCR,OA equipment ,LCD television set notebook, DC to DC converters, DC to AC inverters etc.



◆ Part Numbering



Shape & Dimensions

◆ Lead Free

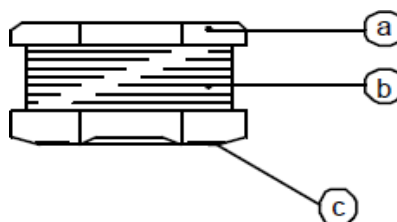
INCD 0403 F 100 M T
(1) (2) (3) (4) (5) (6)

- (1) Series Type
- (2) Dimension: A X C
- (3) Material:ferrite
- (4) Inductance: 2R2=2.2 μ H;
100=10 μ H; 101=100 μ H
- (5) Inductance Tolerance: K= $\pm 10\%$, M= $\pm 20\%$
- (6) Packing : packed in embossed carrier tape

Series	A (mm)	B(mm)	C(mm)	D(mm)
INCD0403F	4.5 $\pm$ 0.3	4.0 $\pm$ 0.3	3.2 $\pm$ 0.3	1.2 Typ.

◆ Material

Item	Material
a. Core	Ferrite DR Core
b. Wire	Enamelled Copper wire
c.Terminal	Ag+Sn+SnPb



◆ Specification

Part Number 料号	Inductance(μ H) 电感量	Test Freq 测试频率	DCR(Ω) Typ. 直流电阻	IDC (A) max. 额定电流
RSCD4532 Series				
INCD0403F1R0MT	1.00 $\pm$ 20%	100KHz/0.25V	0.033	3.8
INCD0403F1R5MT	1.50 $\pm$ 20%	100KHz/0.25V	0.039	3.22
INCD0403F2R2MT	2.20 $\pm$ 20%	100KHz/0.25V	0.047	2.9
INCD0403F3R3MT	3.30 $\pm$ 20%	100KHz/0.25V	0.058	2.15
INCD0403F3R9MT	3.90 $\pm$ 20%	100KHz/0.25V	0.076	1.98
INCD0403F4R7MT	4.70 $\pm$ 20%	100KHz/0.25V	0.094	1.8
INCD0403F5R6MT	5.60 $\pm$ 20%	100KHz/0.25V	0.101	1.7
INCD0403F6R8MT	6.80 $\pm$ 20%	100KHz/0.25V	0.117	1.51
INCD0403F8R2MT	8.20 $\pm$ 20%	100KHz/0.25V	0.132	1.46
INCD0403F100MT	10.0 $\pm$ 20%	100KHz/0.25V	0.182	1.35
INCD0403F120MT	12.0 $\pm$ 20%	100KHz/0.25V	0.21	1.05
INCD0403F150MT	15.0 $\pm$ 20%	100KHz/0.25V	0.235	0.92
INCD0403F220MT	22.0 $\pm$ 20%	100KHz/0.25V	0.378	0.76
INCD0403F330MT	33.0 $\pm$ 20%	100KHz/0.25V	0.54	0.64
INCD0403F390MT	39.0 $\pm$ 20%	100KHz/0.25V	0.587	0.59
INCD0403F470MT	47.0 $\pm$ 20%	100KHz/0.25V	0.844	0.54
INCD0403F560MT	56.0 $\pm$ 20%	100KHz/0.25V	0.937	0.5
INCD0403F680MT	68.0 $\pm$ 20%	100KHz/0.25V	1.117	0.46
INCD0403F820MT	82.0 $\pm$ 20%	100KHz/0.25V	1.345	0.45
INCD0403F101MT	100.0 $\pm$ 20%	100KHz/0.25V	1.52	0.44
INCD0403F121MT	120.0 $\pm$ 20%	100KHz/0.25V	1.8	0.43
INCD0403F151MT	150.0 $\pm$ 20%	100KHz/0.25V	2	0.42
INCD0403F181MT	180.0 $\pm$ 20%	100KHz/0.25V	3.2	0.38
INCD0403F221MT	220.0 $\pm$ 20%	100KHz/0.25V	3.4	0.36
INCD0403F271MT	270.0 $\pm$ 20%	100KHz/0.25V	3.9	0.34
INCD0403F331MT	330.0 $\pm$ 20%	100KHz/0.25V	5.3	0.28
INCD0403F391MT	390.0 $\pm$ 20%	100KHz/0.25V	5.9	0.24
INCD0403F471MT	470.0 $\pm$ 20%	100KHz/0.25V	6.8	0.21
INCD0403F561MT	560.0 $\pm$ 20%	100KHz/0.25V	8.5	0.2
INCD0403F681MT	680.0 $\pm$ 20%	100KHz/0.25V	10	0.18
INCD0403F821MT	820.0 $\pm$ 20%	100KHz/0.25V	13.4	0.15

◆ Note

- ◆ Maximum allowable DC current is that which causes a 10% inductance reduction from the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C).
- ◆ Operating temperature -55°C ~ +125°C.
- ◆ All test data is referenced to 25°C ambient.