

Drum Core Surface Mount Unshielded Power Inductors

◆ 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.

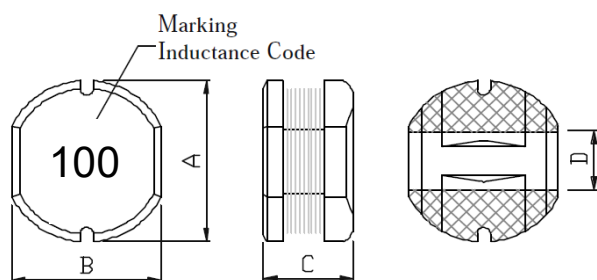


◆ Applications

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



◆ Shape & Dimensions



◆ Lead Free Part Numbering

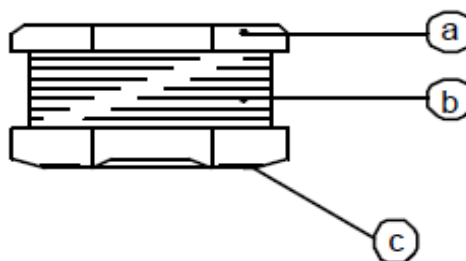
INCD 0302 100 M T
(1) (2) (3) (4) (5)

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

Series	A (mm)	B (mm)	C (mm)	D (mm)
INCD0302F	3.5 $\pm$ 0.3	3.0 $\pm$ 0.3	2.1 $\pm$ 0.3	1.0 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
INCD0302F Series:				
INCD0302F1R0MT	1.0 $\pm$ 20%	100KHz/0.25V	0.035	3.34
INCD0302F1R5MT	1.5 $\pm$ 20%	100KHz/0.25V	0.060	2.50
INCD0302F1R8MT	1.8 $\pm$ 20%	100KHz/0.25V	0.090	2.30
INCD0302F2R2MT	2.2 $\pm$ 20%	100KHz/0.25V	0.120	2.00
INCD0302F3R3MT	3.3 $\pm$ 20%	100KHz/0.25V	0.158	1.55
INCD0302F4R7MT	4.7 $\pm$ 20%	100KHz/0.25V	0.172	1.50
INCD0302F5R6MT	5.6 $\pm$ 20%	100KHz/0.25V	0.192	1.35
INCD0302F6R8MT	6.8 $\pm$ 20%	100KHz/0.25V	0.219	1.20
INCD0302F8R2MT	8.2 $\pm$ 20%	100KHz/0.25V	0.247	1.15
INCD0302F100MT	10 $\pm$ 20%	100KHz/0.25V	0.286	1.05
INCD0302F150MT	15 $\pm$ 20%	100KHz/0.25V	0.468	0.95
INCD0302F220MT	22 $\pm$ 20%	100KHz/0.25V	0.611	0.90
INCD0302F330MT	33 $\pm$ 20%	100KHz/0.25V	0.962	0.85
INCD0302F470MT	47 $\pm$ 20%	100KHz/0.25V	1.500	0.80
INCD0302F680MT	68 $\pm$ 20%	100KHz/0.25V	2.000	0.78
INCD0302F820MT	82 $\pm$ 20%	100KHz/0.25V	2.500	0.76
INCD0302F101MT	100 $\pm$ 20%	100KHz/0.25V	3.000	0.75
INCD0302F151MT	150 $\pm$ 20%	100KHz/0.25V	4.000	0.73
INCD0302F221MT	220 $\pm$ 20%	100KHz/0.25V	5.500	0.70
INCD0302F331MT	330 $\pm$ 20%	100KHz/0.25V	7.000	0.70
INCD0302F471MT	470 $\pm$ 20%	100KHz/0.25V	12.000	0.69

◆ Note

- (1) 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).
- (2) Operating temperature -55°C ~ +125°C.
- (3) All test data is referenced to 25°C ambient.