

## 贴片功率电感CD32 系列

CD    32 - 100    M    T

Type  
Specification  
Inductance value  
Inductance Tol.  
Packing style

※ Inductance value. 1R0: 1.0uH, 100: 10uH, 101: 100uH, 102: 1000uH.

The technical drawing illustrates a bolt and nut assembly through three distinct views:

- Front View (Left):** Shows the bolt's head and shank. Dimension **A** represents the width of the hexagonal head, and dimension **B** represents the height of the head.
- Side View (Middle):** Shows the bolt's profile. Dimension **C** indicates the length of the bolt, and dimension **D** indicates the diameter of the shank.
- Cross-sectional View (Right):** Shows the internal threads of the bolt and the corresponding threads of the nut. Dimensions **E**, **F**, and **G** define the vertical positions of the bolt head, the start of the threaded section, and the end of the threaded section, respectively. Dimension **H** represents the total height of the nut.

Size	A	B	C(max)	D	E	F	G	H
CD32	3.00±0.30	3.50±0.30	2.40	1.00	1.30	0.90	1.30	3.50

- a. Core: Ferrite DR core
- b. Wire: Enamelled copper wire
- c. Terminal: Cu/Sn
- d. Encapsulate: Epoxy novolac molding compound
- e. Remark: Products comply with RoHS' requirements

a.Storage temp. :  $-40^{\circ}\text{C}$  ----  $+125^{\circ}\text{C}$   
b.Operating :  $-40^{\circ}\text{C}$  ----  $+105^{\circ}\text{C}$   
c.Temp. rise :  $40^{\circ}\text{C}$  Max. at rated current.

## V. Electrical Characteristics · CD32 Series

Part No.	L (uH)	Test Freq .(KHZ)	Tolerance	D.C.R(Ω)	Rated Current
				MAX	(A)
CD32-1R0NT	1.00	100K/0.25V	±30%	48.1m	2.00
CD32-1R8NT	1.80	100K/0.25V	±30%	56.0m	1.80
CD32-2R2NT	2.20	100K/0.25V	±30%	72.8m	1.40
CD32-2R7NT	2.70	100K/0.25V	±30%	98.0m	1.30
CD32-3R3NT	3.30	100K/0.25V	±30%	0.109	1.25
CD32-3R9NT	3.9	100K/0.25V	±30%	0.148	1.20
CD32-4R7MT	4.7	100K/0.25V	±20%	0.793	1.100
CD32-5R6MT	5.6	100K/0.25V	±20%	0.192	0.900
CD32-6R8MT	6.8	100K/0.25V	±20%	0.220	0.500
CD32-8R2MT	8.2	100K/0.25V	±20%	0.247	0.800
CD32-100MT	10.0	1.0K/0.25V	±20%	0.286	0.730
CD32-120MT	12.0	1.0K/0.25V	±20%	0.325	0.620
CD32-150MT	15.0	1.0K/0.25V	±20%	0.468	0.600
CD32-180MT	18.0	1.0K/0.25V	±20%	0.546	0.530
CD32-220MT	22.0	1.0K/0.25V	±20%	0.611	0.500
CD32-270MT	27.0	1.0K/0.25V	±20%	0.680	0.420
CD32-330MT	33.0	1.0K/0.25V	±20%	0.962	0.400
CD32-390MT	39.0	1.0K/0.25V	±20%	1.050	0.360
CD32-470MT	47.0	1.0K/0.25V	±20%	1.20	0.340
CD32-560MT	56.0	1.0K/0.25V	±20%	1.53	0.320
CD32-680MT	68.0	1.0K/0.25V	±20%	1.76	0.300
CD32-820MT	82.0	1.0K/0.25V	±20%	2.39	0.280
CD32-101MT	100.0	1.0K/0.25V	±20%	2.67	0.250
CD32-121MT	120.0	1.0K/0.25V	±20%	3.72	0.200
CD32-151MT	150.0	1.0K/0.25V	±20%	4.29	0.190
CD32-181MT	180.0	1.0K/0.25V	±20%	4.81	0.170
CD32-221KT	220.0	1.0K/0.25V	±10%	6.63	0.160
CD32-271KT	270.0	1.0K/0.25V	±10%	7.80	0.130
CD32-331KT	330.0	1.0K/0.25V	±10%	9.49	0.125
CD32-391KT	390.0	1.0K/0.25V	±10%	10.53	0.120
CD32-471KT	470.0	1.0K/0.25V	±10%	12.05	90.0m
CD32-561KT	560.0	1.0K/0.25V	±10%	13.26	80.0m

### VI. 额定电流 Reted Current:

电感值下降至初始值的10%或温度上升至40℃时的直流电流值中的最小值。（环境温度20℃）

This indicates the value of current when the inductance is 10% lower than its initial value at D.C. superposition or D.C. current when T=40℃ whichever is lower. (Ta=20℃)

### VII. 无铅制品 Lead-free

### VIII. 测试仪器 Test instrument : HP4284A, 502BC, CH1062A.