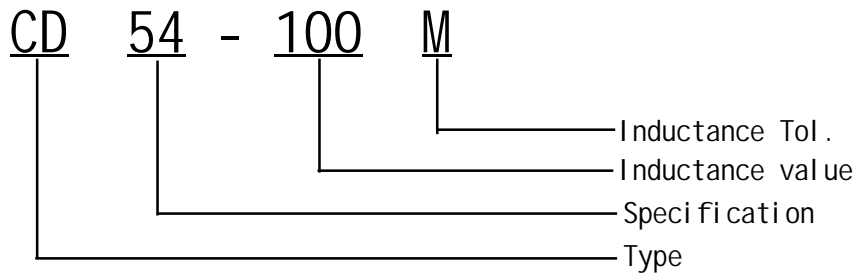


SMD Power Inductors CD54 Series

贴片功率电感CD54 系列

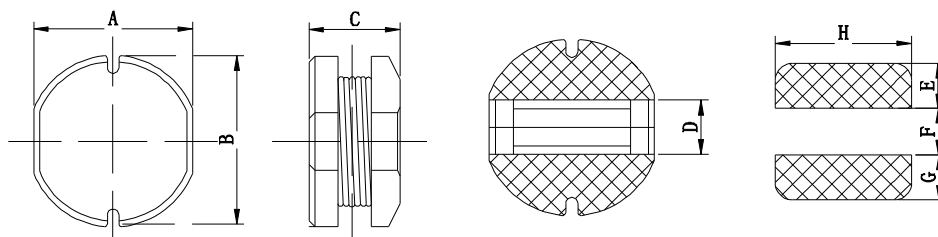
I .Ordering Code:



※ Inductance Tol. J: $\pm 5\%$, K: $\pm 10\%$, M: $\pm 20\%$, N: $\pm 30\%$.

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

II .Configuration&Dimensions: (mm)



Size	A	B	C(max)	D	E	F	G	H
CD54	5.20 \pm 0.30	5.80 \pm 0.30	4.80	1.50	2.60	1.40	2.60	5.80

III.Materials :

- 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

IV.General Specification :

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

CD54 Series

Part No.	L (uH)	Test Freq .(KHZ)	Tolerance	D.C.R(Ω)	Rated Current
				MAX	(A)
CD54-1R0N	1.00	100K/0.25V	$\pm 30\%$	13.0m	5.40
CD54-1R5M	1.50	100K/0.25V	$\pm 30\%$	16.9m	4.70
CD54-1R8M	1.80	100K/0.25V	$\pm 30\%$	19.5m	4.50
CD54-2R2M	2.20	100K/0.25V	$\pm 30\%$	22.1m	4.00
CD54-2R7M	2.70	100K/0.25V	$\pm 30\%$	25.20	3.80
CD54-3R3M	3.30	100K/0.25V	$\pm 30\%$	31.2m	3.70
CD54-3R9M	3.90	100K/0.25V	$\pm 30\%$	36.4m	3.20
CD54-4R7M	4.7	100K/0.25V	$\pm 20\%$	52.0m	3.10
CD54-5R6M	5.6	100K/0.25V	$\pm 20\%$	54.6m	2.80
CD54-6R8M	6.8	100K/0.25V	$\pm 20\%$	58.5m	2.40
CD54-8R2M	8.2	100K/0.25V	$\pm 20\%$	62.4m	2.00
CD54-100M	10.0	1.0K/0.25V	$\pm 20\%$	87.9m	1.42
CD54-120M	12.0	1.0K/0.25V	$\pm 20\%$	75.4m	1.38
CD54-150M	15.0	1.0K/0.25V	$\pm 20\%$	0.105	1.28
CD54-180M	18.0	1.0K/0.25V	$\pm 20\%$	0.117	1.22
CD54-220M	22.0	1.0K/0.25V	$\pm 20\%$	0.169	1.10
CD54-270M	27.0	1.0K/0.25V	$\pm 20\%$	0.153	0.950
CD54-330M	33.0	1.0K/0.25V	$\pm 20\%$	0.208	0.860
CD54-390M	39.0	1.0K/0.25V	$\pm 20\%$	0.215	0.780
CD54-470M	47.0	1.0K/0.25V	$\pm 20\%$	0.355	0.710
CD54-560M	56.0	1.0K/0.25V	$\pm 20\%$	0.377	0.660
CD54-680M	68.0	1.0K/0.25V	$\pm 20\%$	0.390	0.600
CD54-820M	82.0	1.0K/0.25V	$\pm 20\%$	0.416	0.570
CD54-101M	100.0	1.0K/0.25V	$\pm 20\%$	0.611	0.510
CD54-121M	120.0	1.0K/0.25V	$\pm 20\%$	0.754	0.470
CD54-151M	150.0	1.0K/0.25V	$\pm 20\%$	0.845	0.380
CD54-181M	180.0	1.0K/0.25V	$\pm 20\%$	1.04	0.360
CD54-221K	220.0	1.0K/0.25V	$\pm 10\%$	1.45	0.340
CD54-271K	270.0	1.0K/0.25V	$\pm 10\%$	1.51	0.310
CD54-331K	330.0	1.0K/0.25V	$\pm 10\%$	1.76	0.280
CD54-391K	390.0	1.0K/0.25V	$\pm 10\%$	2.08	0.260
CD54-471K	470.0	1.0K/0.25V	$\pm 10\%$	2.99	0.240
CD54-561K	560.0	1.0K/0.25V	$\pm 10\%$	3.12	0.220
CD54-681K	680.0	1.0K/0.25V	$\pm 10\%$	3.90	0.200

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.