

SMD TYPE

The square wire use Inductors & Inductors for PC

OUTLINE

By using the square wire, power inductors can be used for large current with low profile and low resistance.

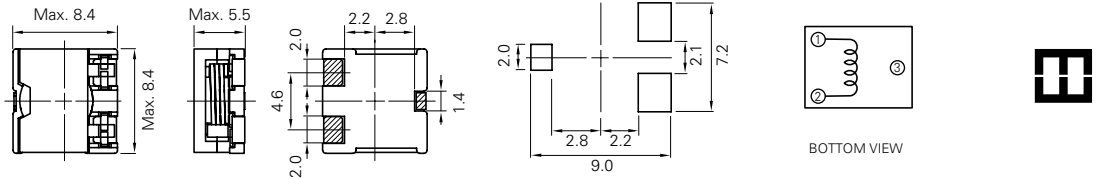
CDEP85



(0.2μH - 10μH)

PROVISIONAL

DIMENSIONS (mm)	LAND PATTERNS (mm)	CONNECTION	CONSTRUCTION
-----------------	--------------------	------------	--------------



TYPE : CDEP85(Low D.C.R Type), CDEP85(Standard Type), CDEP85(High Power Type)

Parts No.	L (H)	CDEP85(Low D.C.R Type)			CDEP85(Standard Type)			CDEP85(High Power Type)				
		D.C.R.(Ω) : Max.(Typ.)	Saturation Current (A) *A		Temperature Rise Current (A) *B	D.C.R.(Ω) : Max.(Typ.)	Saturation Current (A) *A		D.C.R.(Ω) : Max.(Typ.)	Saturation Current (A) *A		Temperature Rise Current (A) *B
			20 °c	105 °c			20 °c	105 °c		20 °c	105 °c	
0R2	0.2μ											
0R3	0.35μ				2.5m(2.1m)	18.4	15.2	18.0	2.5m(2.1m)	32.0	26.0	18.0
0R4	0.45μ								3.4m(2.8m)	22.0	18.0	17.0
0R5	0.5μ	2.5m(2.1m)	12.0	10.4	18.0							
0R8	0.8μ				3.4m(2.8m)	11.4	10.0	17.0	4.8m(4.0m)	16.0	13.2	13.5
1R1	1.1μ	3.4m(2.8m)	7.8	6.8	17.0							
1R2	1.2μ								7.0m(5.9m)	12.8	10.6	10.8
1R4	1.4μ				4.8m(4.0m)	8.8	7.6	13.5				
1R8	1.8μ								8.1m(6.8m)	10.8	8.8	9.7
2R0	2.0μ	4.8m(4.0m)	5.3	4.7	13.5							
2R2	2.2μ				7.0m(5.9m)	7.0	5.8	10.8				
2R4	2.4μ								9.8m(8.2m)	9.3	7.7	8.3
3R1	3.1μ	7.0m(5.9m)	4.4	3.7	10.8							
3R2	3.2μ				8.1m(6.8m)	5.8	5.0	9.7	11.7m(9.8m)	8.0	6.5	7.5
4R0	4.0μ								15.1m(12.6m)	7.2	5.9	6.5
4R3	4.3μ				9.8m(8.2m)	5.0	4.1	8.3				
4R5	4.5μ	8.1m(6.8m)	3.6	3.2	9.7							
5R6	5.6μ				11.7m(9.8m)	4.3	3.6	7.5				
6R1	6.1μ	9.8m(8.2m)	3.4	2.9	8.3							
7R1	7.1μ				15.1m(12.6m)	3.8	3.3	6.5				
8R0	8.0μ	11.7m(9.8m)	2.9	2.6	7.5							
100	10μ	15.1m(12.6m)	2.6	2.2	6.5							

Measuring Freq. (L)

- CDEP85(L) 100kHz
- CDEP85(S) 100kHz
- CDEP85(H) 100kHz

Tolerance of Inductance

- CDEP85(L) 0.5μH - 10μH ± 20% (M)
- CDEP85(S) 0.35μH - 7.1μH ± 20% (M)
- CDEP85(H) 0.2μH - 4.0μH ± 20% (M)

Other

- *A Saturation Current : This indicates the value of D.C. current when the inductance decreases to 75% of its nominal.
- *B Temperature Rise Current : The value of D.C. current when the temperature rise is Δt=40°C (Ta=20°C).

About CDEP85

- *This specification might be changed without notice due to under developing and improving.
- Please contact us for our mass production schedule.Thank you for your understanding.

About Lead-free products

- Lead-free products are now available for sale
- To order a lead-free product, please add * NP * after the product type
- e.g. Ordering code of lead product : Type name-△△△○×
- Ordering code of lead-free product : Type name NP △△△○×

Ordering Code

CDEP85 - △△△○× - □□

- △ : Parts No.
- : Tolerance of inductance M (20%)
- × : Packing C (Carrier tape) B (Box)
- : 125 (Low D.C.R. type) 88 (Standard type) 50 (High power type)