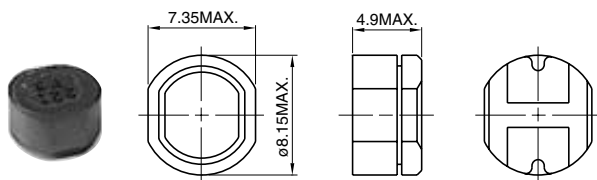


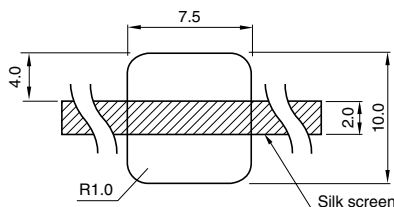
**SHIELDED**

# CDR74B

**Outline**

Various kinds of high power SMT inductors which are superior to high saturation. They are also magnetically shielded type to prevent noise radiation.

**Dimensions (mm)**

 (10 $\mu$ H – 270 $\mu$ H)

**LAND PATTERNS(mm)**


In order to prevent short-circuiting, a silk screen is recommended.

**CONSTRUCTION**

**◆ TYPE CDR74B**

Parts No.	Inductance	D.C.R. ( $\Omega$ ) (Max) Typical / Rated D. C. Current (A)	Parts No.	Inductance	D.C.R. ( $\Omega$ ) (Max) Typical / Rated D. C. Current (A)
100	10 $\mu$ H	0.07 / 1.65	820	82 $\mu$ H	0.43 / 0.62
120	12 $\mu$ H	0.07 / 1.57	101	100 $\mu$ H	0.49 / 0.55
150	15 $\mu$ H	0.08 / 1.39	121	120 $\mu$ H	0.68 / 0.49
180	18 $\mu$ H	0.10 / 1.29	151	150 $\mu$ H	0.94 / 0.44
220	22 $\mu$ H	0.13 / 1.12	181	180 $\mu$ H	1.00 / 0.40
270	27 $\mu$ H	0.16 / 1.06	221	220 $\mu$ H	1.18 / 0.36
330	33 $\mu$ H	0.18 / 0.97	271	270 $\mu$ H	1.30 / 0.33
390	39 $\mu$ H	0.18 / 0.91	331	330 $\mu$ H	
470	47 $\mu$ H	0.27 / 0.80	391	390 $\mu$ H	
560	56 $\mu$ H	0.29 / 0.76	471	470 $\mu$ H	
680	68 $\mu$ H	0.33 / 0.68			

Measuring Freq. (L)

 10 $\mu$ H – 82 $\mu$ H (2.52MHz), 100 $\mu$ H – 820 $\mu$ H (1kHz)

Tolerance of Inductance

 CDR74B      10 $\mu$ H – 27 $\mu$ H  $\pm$  20% (M), 33 $\mu$ H – 82 $\mu$ H  $\pm$  15% (L), 100 $\mu$ H – 270 $\mu$ H  $\pm$  10% (K)

Rated D.C. Current

This indicates the value of current when the inductance is 10% lower than its initial value at D.C. superimposition or D.C. current when at t=40°C, whichever is lower. (Ta=20°C)

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