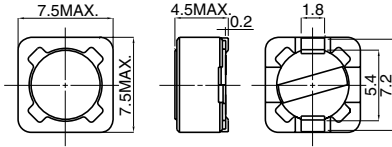
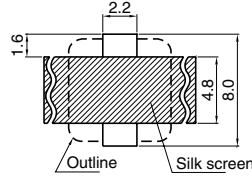


**SHIELDED TYPE**

# CDRH74

**Outline**

SMT type power inductors whereby the electrode is attached to the ferrite core directly. They are also magnetically shielded to prevent noise radiation.

**Dimensions (mm)**

**LAND PATTERNS(mm)**

**CONSTRUCTION**


(10 $\mu$ H – 1.0mH)

**◆ TYPE CDRH74**

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)
2R0	2.0 $\mu$ H		270	27 $\mu$ H	0.15 (0.12) / 1.12
2R5	2.5 $\mu$ H		330	33 $\mu$ H	0.17 (0.13) / 0.96
3R0	3.0 $\mu$ H		390	39 $\mu$ H	0.23 (0.18) / 0.91
3R3	3.3 $\mu$ H		470	47 $\mu$ H	0.26 (0.20) / 0.88
3R9	3.9 $\mu$ H		560	56 $\mu$ H	0.35 (0.27) / 0.75
4R0	4.0 $\mu$ H		680	68 $\mu$ H	0.38 (0.30) / 0.69
4R7	4.7 $\mu$ H		820	82 $\mu$ H	0.43 (0.33) / 0.61
5R0	5.0 $\mu$ H		101	100 $\mu$ H	0.61 (0.47) / 0.60
6R0	6.0 $\mu$ H		121	120 $\mu$ H	0.66 (0.51) / 0.52
6R2	6.2 $\mu$ H		151	150 $\mu$ H	0.88 (0.68) / 0.46
6R8	6.8 $\mu$ H		181	181 $\mu$ H	0.98 (0.76) / 0.42
7R3	7.3 $\mu$ H		221	220 $\mu$ H	1.17 (0.90) / 0.36
7R4	7.4 $\mu$ H		271	270 $\mu$ H	1.64 (1.32) / 0.34
8R0	8.0 $\mu$ H		331	330 $\mu$ H	1.86 (1.49) / 0.32
8R6	8.6 $\mu$ H		391	390 $\mu$ H	2.85 (2.28) / 0.29
8R7	8.7 $\mu$ H		471	470 $\mu$ H	3.01 (2.41) / 0.26
100	10 $\mu$ H	49m (38m) / 1.84	561	560 $\mu$ H	3.62 (2.89) / 0.23
120	12 $\mu$ H	58m (44m) / 1.71	681	680 $\mu$ H	4.63 (3.71) / 0.22
150	15 $\mu$ H	81m (62m) / 1.47	821	820 $\mu$ H	5.20 (4.16) / 0.20
180	18 $\mu$ H	91m (70m) / 1.31	102	1,000 $\mu$ H	6.00 (4.80) / 0.18
220	22 $\mu$ H	0.11 (77m) / 1.23			

Measuring Freq. (L)  
CDRH74      1kHz

Tolerance of Inductance  
CDRH74       $\pm 20\%$  (M)

Rated D.C. Current

This indicates the value of current when the inductance is 75%(65%) more than it's nominal value and temperature rising  $t=40^{\circ}\text{C}$  lower at D.C. superposition.

**Sales Contact**

**North America**  
1701 Golf Road, Tower 3  
Suite 400, Rolling  
Meadows, IL 60008, USA  
Tel: (1) 847 545-6700  
Fax: (1) 847 545-6720

**Japan**  
Nihonbashi- ingyocho  
2-Chome, Chuo-ku,  
Tokyo, Japan  
Tel: (81) 03 3667-3301  
Fax: (81) 03 3667-3456

**Hong Kong**  
14/F, Eastern Centre,  
1065 King's Road, Quarry  
Road, Hong Kong  
Tel: (852) 2880-6688  
Fax: (852) 2880-9596

**Taiwan**  
No. 171, Futech Street,  
Hsin-I, Taipei, Taiwan,  
ROC  
Tel: (886) 2 2726-2177  
Fax: (886) 2 2728-2726

**Singapore**  
996 Bendemeer  
Road #04-05 to 06  
Singapore 339944  
Tel: (65) 2963-388  
Fax: (65) 2963-390

**Europe**  
Chaussee de Tervuren113A,  
1160 Brussels  
Belgium  
Email:  
europe.sales@hk.sumida.com