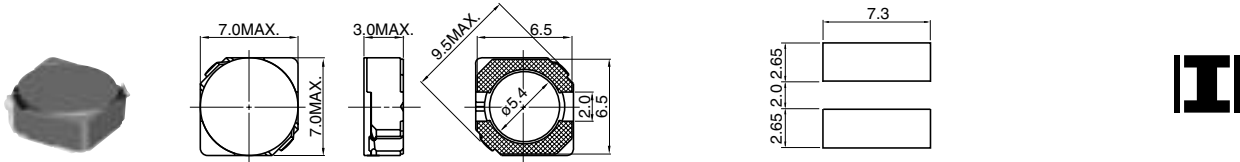


**SHIELDED TYPE**
**CDRH6D28**
**Outline**

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**


(3.0 $\mu$ H – 100 $\mu$ H)

**◆ TYPE CDRH6D28**

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	0.142 (0.105) / 1.05
2R5	2.5 $\mu$ H		330	33 $\mu$ H	0.165 (0.122) / 0.97
3R0	3.0 $\mu$ H	24m (18m) / 3.00	390	39 $\mu$ H	0.210 (0.156) / 0.86
3R3	3.3 $\mu$ H		470	47 $\mu$ H	0.238 (0.176) / 0.80
3R9	3.9 $\mu$ H	27m (20m) / 2.60	560	56 $\mu$ H	0.277 (0.205) / 0.73
4R0	4.0 $\mu$ H		680	68 $\mu$ H	0.304 (0.225) / 0.65
4R7	4.7 $\mu$ H		820	82 $\mu$ H	0.390 (0.290) / 0.60
5R0	5.0 $\mu$ H	31m (23m) / 2.40	101	100 $\mu$ H	0.535 (0.397) / 0.54
6R0	6.0 $\mu$ H	35m (26m) / 2.25	121	120 $\mu$ H	
6R2	6.2 $\mu$ H		151	150 $\mu$ H	
6R8	6.8 $\mu$ H		181	181 $\mu$ H	
7R3	7.3 $\mu$ H	54m (40m) / 2.10	221	220 $\mu$ H	
7R4	7.4 $\mu$ H		271	270 $\mu$ H	
8R0	8.0 $\mu$ H		331	330 $\mu$ H	
8R6	8.6 $\mu$ H	58m (43m) / 1.85	391	390 $\mu$ H	
8R7	8.7 $\mu$ H		471	470 $\mu$ H	
100	10 $\mu$ H	65m (48m) / 1.70	561	560 $\mu$ H	
120	12 $\mu$ H	70m (52m) / 1.55	681	680 $\mu$ H	
150	15 $\mu$ H	84m (62m) / 1.40	821	820 $\mu$ H	
180	18 $\mu$ H	95m (70m) / 1.32	102	1,000 $\mu$ H	
220	22 $\mu$ H	0.128 (95m) / 1.20			

Measuring Freq. (L)  
CDRH6D28 10kHz

Tolerance of Inductance  
CDRH6D28  $\pm$  30% (N)

Rated D.C. Current

This rated current indicates the current when the inductance decreases to 65% of its initial value or DC current when the temperature of coil is increased by 30°C.

**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