

■ FEATURES

High power, High saturation inductors.  
Maximum power density.  
Available on tape and reel for auto surface mounting.

■ APPLICATIONS

Power supply for VTRs.  
DC/DC converter.  
Digital camera&scanner.

■ PRODUCT IDENTIFICATION

①                    ②   ③   ④   ⑤   ⑥  
MSCDB - 1305 H - 100 M □ □

- ① Product Code
- ② Dimensions
- ③ High current
- ④ Inductance Code
- ⑤ Tolerance Code
- ⑥ Pattern Code

■ PRODUCT SERIES

**MSCDB-1305H**

**MSCDB-0905H, 1807H, 2207H**

Dimension in mm

Part No.	A(Max)	B(Max)	C(Max)
MSCDB-0905H	9.00	6.10	5.2
MSCDB-1305H	13.2	9.91	6.35
MSCDB-1807H	19.4	13.3	6.80
MSCDB-2207H	22.3	16.2	8.0

■ LAND PATTERNS

Dimension in mm

Part No.	D	E	H
MSCDB-0905H	5.08	2.00	4.50
MSCDB-1305H	9.00	2.20	5.50
MSCDB-1807H	11.7	3.80	8.00
MSCDB-2207H	13.1	4.20	9.50

WIRE WOUND TYPE

### ■ PRODUCT SPECIFICATIONS

Part No.	Inductance ( $\mu$ H)	DC Resistance( $\Omega$ )Max.				Permissible DC Current(A)Max.			
		0905H	1305H	1807H	2207H	0905H	1305H	1807H	2207H
R47	0.47	0.010	0.005	0.002	0.002	6.00	10.6	16.0	19.2
1R0	1.0	0.018	0.006	0.004	0.003	4.40	10.0	12.5	17.3
1R5	1.5	0.020	0.008	0.006	0.004	4.20	9.00	10.0	13.4
2R2	2.2	0.035	0.011	0.008	0.005	3.10	7.40	9.20	12.0
2R7	2.7		0.012				6.60		
3R3	3.3	0.043	0.014	0.009	0.008	2.90	5.90	8.00	10.0
4R7	4.7	0.054	0.018	0.012	0.014	2.20	4.80	6.50	8.60
6R0	6.0				0.017				7.70
6R8	6.8	0.090	0.023	0.019	0.018	1.70	4.50	5.80	7.20
100	10	0.111	0.030	0.027	0.026	1.50	4.30	4.30	6.80
150	15	0.175	0.045	0.032	0.032	1.20	3.60	3.90	5.50
220	22	0.255	0.064	0.050	0.040	1.00	2.90	3.10	4.50
330	33	0.370	0.099	0.069	0.060	0.82	2.40	2.40	3.70
470	47	0.474	0.146	0.109	0.074	0.72	1.90	1.90	3.10
680	68	0.750	0.190	0.156	0.120	0.58	1.70	1.60	2.40
101	100	1.110	0.277	0.206	0.170	0.47	1.40	1.40	2.00
151	150		0.424				1.10		
221	220		0.636				0.93		
331	330		0.977				0.76		

1. TEST FREQ. (L): 100KHz/250mV
2. TOLERANCE OF INDUCTANCE: 0.47~1.5  $\mu$  H  $\pm$  30%(N)    2.2~330  $\mu$  H  $\pm$  20%(M)
3. The max. permissible DC current is the DC current applied which causes 10% reduction of its initial inductance value, or the coil temperature to rise by 40°C, whichever is lower.