

FEATURES

Compact and thin.
Large permissible D.C. current and low D.C. resistance.

APPLICATIONS

DC-DC converter of portable equipment.
Camcorder, LCD television set, Digital still camera, P.D.A., Notebook.
Small size communication equipment.

PRODUCT IDENTIFICATION

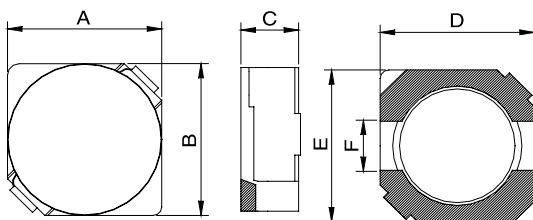
① ② ③ ④ ⑤

MSCDRI 6D28 100 M □□

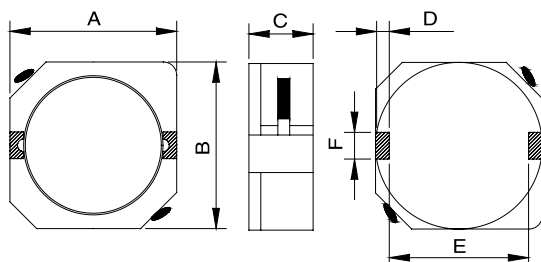
- ① Product Code
- ② Dimensions
- ③ Inductance Code
- ④ Tolerance Code
- ⑤ Pattern Code

PRODUCT SERIES

Dimension in m/m



Part No.	A±0.3	B±0.3	C(Max)	D	E	F
MSCDRI-6D38	6.7	6.7	4.0	6.5	6.5	2.0
MSCDRI-6D28	6.7	6.7	3.0	6.5	6.5	2.0
MSCDRI-5D28	5.7	5.7	3.0	5.5	5.5	2.0
MSCDRI-5D18	5.7	5.7	2.0	5.5	5.5	2.0
MSCDRI-4D28	4.7	4.7	3.0	4.5	4.5	1.5
MSCDRI-4D18	4.7	4.7	2.0	4.5	4.5	1.5
MSCDRI-3D16	3.8	3.8	1.8	3.7	3.7	1.2
MSCDRI-2D11	3.0	3.0	1.2			



Part No.	A±0.5	B±0.5	C(Max)	D±0.2	E±0.3	F±0.1
MSCDRI-103R	10	10	3.1	1.2	7.0	3.0
MSCDRI-104R	10	10	4.0	1.5	7.7	3.0
MSCDRI-105R	10	10	5.1	1.5	7.7	3.0

■ **PRODUCT SPECIFICATIONS**

Part No.	Inductance (μH)	DC Resistance (Ω) Max.											Permissible DC Current (A) Max.										
		2D11	3D16	4D18	4D28	5D18	5D28	6D28	6D38	103R	104R	105R	2D11	3D16	4D18	4D28	5D18	5D28	6D28	6D38	103R	104R	105R
1R0	1.0			0.045							0.0065			1.72								10.0	
1R2	1.2				0.0236										2.56								
1R5	1.5	0.068								0.011	0.0081	0.0058	0.90								8.00	10.0	8.30
1R8	1.8				0.0275										2.20								
2R2	2.2	0.098		0.075	0.0313					0.0169		0.072	0.78	1.32	2.04						6.70		7.50
2R5	2.5										0.0105											7.50	
2R6	2.6						0.018										2.60						
2R7	2.7			0.105	0.0433									1.28	1.60								
3R0	3.0						0.024	0.024									2.40	3.00					
3R3	3.3	0.123		0.110	0.492				0.02	0.021		0.0104	0.60	1.04	1.57					3.50	5.56		6.50
3R8	3.8										0.013											6.00	
3R9	3.9			0.155	0.0648				0.027					0.88	1.44			2.60					
4R1	4.1					0.057										1.95							
4R2	4.2						0.031										2.20						
4R7	4.7	0.170		0.162	0.0720					0.030		0.0123		0.84	1.32						4.65		6.10
5R0	5.0							0.031	0.024									2.40	2.90				
5R2	5.2										0.022											5.50	
5R3	5.3						0.038										1.90						
5R4	5.4					0.076										1.60							
5R6	5.6			0.170	0.1009									0.80	1.17			2.25					
6R0	6.0							0.035															
6R2	6.2					0.096	0.045		0.027							1.40	1.80		2.50				
6R8	6.8	0.260		0.200	0.1089					0.035		0.018	0.44	0.76	1.12						3.84	4.80	5.40
7R0	7.0										0.027												
7R3	7.3						0.054											2.10					
7R4	7.4								0.031												2.30		
8R2	8.2			0.245	0.1175		0.053			0.050		0.020		0.68	1.04		1.60			3.54		5.00	
8R6	8.6							0.058	0.034									1.85	2.20				
8R9	8.9					0.116											1.25						
100	10	0.400	0.16	0.260	0.1283	0.124	0.065	0.065	0.038	0.059	0.035	0.026	0.35	0.55	0.61	1.00	1.20	1.30	1.70	2.00	3.18	4.40	4.50
120	12			0.280	0.1316	0.153	0.076	0.070	0.053			0.033			0.56	0.84	1.10	1.20	1.55	1.70			3.80
150	15		0.29	0.310	0.1490	0.196	0.103	0.084	0.057	0.091	0.050	0.041		0.42	0.50	0.76	0.97	1.10	1.40	1.60	2.60	3.60	3.40
180	18			0.338	0.1660	0.210	0.110	0.095	0.092			0.046			0.48	0.72	0.85	1.00	1.32	1.50			3.10
220	22		0.35	0.397	0.2350	0.290	0.122	0.128	0.096	0.143	0.073	0.061		0.35	0.41	0.70	0.80	0.90	1.20	1.30	2.16	2.90	2.90
270	27			0.441	0.2610	0.330	0.175	0.142	0.109			0.069			0.35	0.58	0.75	0.85	1.05	1.20			2.60
330	33		0.47	0.694	0.3780	0.386	0.189	0.165	0.124	0.202	0.093	0.084		0.32	0.32	0.56	0.65	0.75	0.97	1.10	1.74	2.30	2.50
390	39			0.709	0.3837	0.520	0.212	0.210	0.138			0.106			0.30	0.50	0.57	0.70	0.86	1.00			2.25
470	47		0.60		0.5870	0.595	0.260	0.238	0.155	0.299		0.130		0.24		0.48	0.54	0.62	0.80	0.95	1.43		2.00
560	56				0.6245	0.665	0.305	0.277	0.21	0.325	0.128	0.149				0.41	0.50	0.58	0.73	0.85	1.36	2.10	1.90
680	68		1.10		0.6990	0.840	0.355	0.304	0.234	0.429	0.213	0.201		0.22		0.35	0.43	0.52	0.65	0.75	1.22	1.50	1.60
820	82				0.9148	0.978	0.460	0.390	0.324	0.494		0.227				0.32	0.41	0.46	0.60	0.70	1.14		1.45
101	100		1.40		1.02	1.15	0.520	0.535	0.358	0.683	0.304	0.253		0.17		0.29	0.36	0.42	0.54	0.65	1.02	1.35	1.35
121	120				1.27					0.754						0.27					0.89		
151	150				1.35					0.871	0.506					0.24					0.84	1.15	
181	180				1.54											0.22							
221	220										0.756											0.92	
331	330										1.090											0.72	

1. TEST FREQ. (L): @ 100KHz/250mV

2. TOLERANCE OF INDUCTANCE 1~8.2 μH ± 30%(N) 10~330 μH ± 20%(M)

3. The max. permissible DC current is the DC current applied which causes 35% reduction of its initial inductance value, or the coil temperature to rise by 40°C, whichever is lower.

WIPE WOUND TYPE