

SMD POWER INDUCTORS 贴片功率电感

DBN 系列

FEATURES

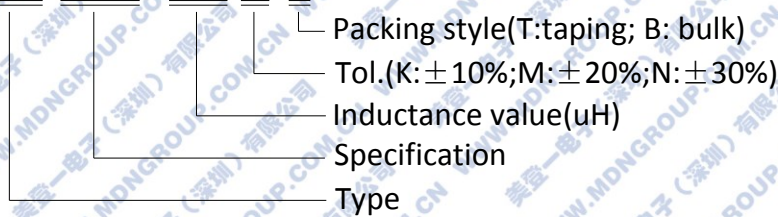
- Low cost, high performance inductor.
- Super low resistance with high current rating and high energy storage.
- Suitable for surface mount equipment.

APPLICATIONS

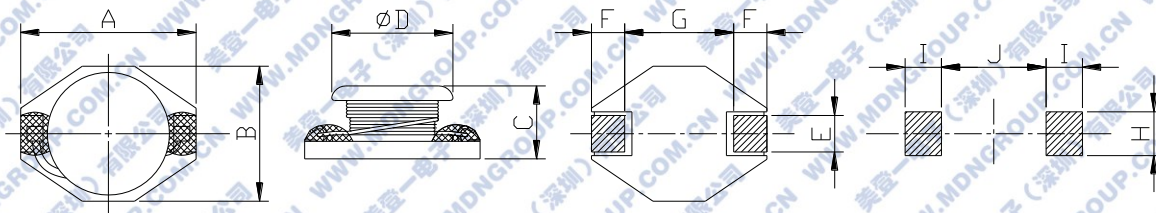
- Power supply choke for small electrical equipments such as VTR,LCD display, Note book, communication equipment , OA equipments , Mother board , display card ,sound card; Power supply or MP3, MP4 , PDA , DC-DC converter DC -AC inverters etc.

ORDERING CODE

DBN 1608 - 100 M T



DIMENSIONS AND LAND PATTERNS(mm)



TYPE	A (MAX)	B (MAX)	C (MAX)	D	E	F	G	H	I	J
DBN1608	6.90	4.50	2.90	4.00	1.20	1.15	4.20	4.00	1.40	1.40
DBN3316	13.00	9.40	5.20	8.40	2.54	2.54	7.62	7.40	2.80	2.80
DBN3340	13.00	9.40	11.40	8.40	2.54	2.54	7.62	7.40	2.80	2.80
DBN5022	18.50	15.20	7.10	12.70	2.54	2.54	12.70	12.50	2.80	2.80

特 征

- 低成本高表现之电感;
- 超低的直流电阻及高额定电流和高能量储存;
- 适合表面贴装。

用 途

- 录像机、液晶显示器、笔记本电脑、通讯设备、电脑主机板、声卡、显卡、办公自动化设备的电源扼流; MP3、MP4、PDA、直流-直流整流器, 直流-交流换流器等电源供应器。

SHAPE



SMD POWER INDUCTORS 贴片功率电感

DBN 系列

PART NO.	L	TEST CONDITIONS	DBN1608		DBN3316		DBN3340		DBN5022	
			DCR	Idc	DCR	Idc	DCR	Idc	DCR	Idc
			(Ω)max	(A)max	(Ω)max	(A)max	(Ω)max	(A)max	(Ω)max	(A)max
1R0	1.0uH	100KHz/ 0.25V					0.006	9.50		
1R2	1.2uH	100KHz/ 0.25V	0.030	3.00	0.010	6.00	0.009	9.00		
1R5	1.5uH	100KHz/ 0.25V			0.011	5.50	0.010	8.50	0.008	8.00
2R2	2.2uH	100KHz/ 0.25V	0.050	2.20	0.012	5.00			0.010	7.00
2R7	2.7uH	100KHz/ 0.25V								
3R3	3.3uH	100KHz/ 0.25V	0.065	1.80	0.018	4.50	0.015	7.00	0.015	6.50
3R9	3.9uH	100KHz/ 0.25V			0.020	4.00				
4R7	4.7uH	100KHz/ 0.25V	0.090	1.40	0.022	3.80	0.016	6.50		
5R6	5.6uH	100KHz/ 0.25V			0.025	3.65			0.020	5.50
6R8	6.8uH	100KHz/ 0.25V	0.118	1.30	0.030	3.50	0.018	6.00	0.022	5.00
8R2	8.2uH	100KHz/ 0.25V			0.033	3.40				
100	10uH	1KHz/ 0.25V	0.190	1.00	0.036	3.00	0.030	4.20	0.025	4.50
120	12uH	1KHz/ 0.25V								
150	15uH	1KHz/ 0.25V	0.285	0.80	0.055	2.80	0.036	3.80	0.035	3.80
180	18uH	1KHz/ 0.25V								
220	22uH	1KHz/ 0.25V	0.360	0.70	0.075	2.25	0.055	3.00	0.055	3.20
270	27uH	1KHz/ 0.25V			0.090	2.00				
330	33uH	1KHz/ 0.25V	0.650	0.55	0.110	1.80	0.070	2.50	0.075	2.50
390	39uH	1KHz/ 0.25V			0.120	1.70				
470	47uH	1KHz/ 0.25V	0.850	0.45	0.160	1.60	0.100	2.00	0.100	2.10
560	56uH	1KHz/ 0.25V			0.175	1.50			0.110	2.00
680	68uH	1KHz/ 0.25V	1.150	0.36	0.210	1.30	0.145	1.60	0.120	1.80
820	82uH	1KHz/ 0.25V			0.260	1.20				
101	100uH	1KHz/ 0.25V	1.650	0.30	0.310	1.00	0.180	1.40	0.220	1.35
121	120uH	1KHz/ 0.25V								
151	150uH	1KHz/ 0.25V	2.900	0.22	0.470	0.90	0.330	1.15	0.320	1.15
181	180uH	1KHz/ 0.25V			0.530	0.80				
221	220uH	1KHz/ 0.25V	3.90	0.18	0.660	0.72	0.430	1.00	0.430	1.00
271	270uH	1KHz/ 0.25V								
331	330uH	1KHz/ 0.25V	6.20	0.16	1.00	0.60	0.680	0.75	0.650	0.80
391	390uH	1KHz/ 0.25V			1.20	0.55				
471	470uH	1KHz/ 0.25V			1.50	0.50	1.00	0.60	0.930	0.68
561	560uH	1KHz/ 0.25V			1.70	0.40			1.150	0.58
681	680uH	1KHz/ 0.25V			2.00	0.35	1.45	0.50	1.50	0.53
821	820uH	1KHz/ 0.25V			2.50	0.30				
102	1.0mH	1KHz/ 0.25V			3.00	0.27	2.00	0.43	2.00	0.45

REMARK:

- 电感公差范围/Tolerance of Inductance: $L \leq 8.2\mu\text{H}$ $\pm 20\%$; $L \geq 10\mu\text{H}$ $\pm 10\%$ 。
- 额定电流/Idc (Rated DC Current): 电感值下降至初期值的 10%或温度上升至 40℃时的直流电流值中的最小值(环境温度 20℃)。