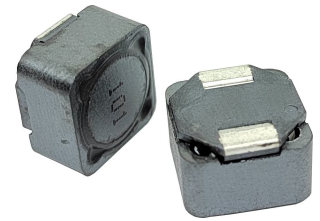


SMD SHIELDED POWER INDUCTOR FASDRH SERIES

0703B,0704B,1204B,1205B,1206B,1207B,1209B



FEATURES:

- 1.Magnetically shielded construction.
- 2.Compact and thin.
- 3.Large Current and Low DCR.
- 4.Flat-top for pick and place.
- 5.Excellent Thermal Stability.
- 6.Plastic Base.

COMMON APPLICATIONS:

- 1.VTR.
- 2.OA equipment.
- 3.LCD television set.
- 4.Notebook.
- 5.Portable communication equipments.
- 6.DC/DC converters,etc.

ELECTRICAL CHARACTERISTICS AT 25°C

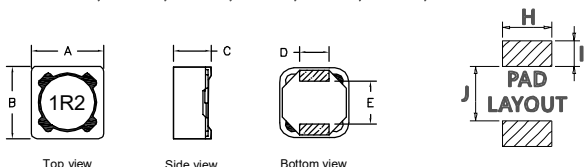
Part Number	Inductance (uH)	FASDRH0703B		FASDRH0704B		FASDRH1204B		FASDRH1205B		FASDRH1206B		FASDRH1207B		FASDRH1209B	
		DCR (Ω) Max	ISAT (A) Max	DCR (Ω) Max	ISAT (A) Max	DCR (Ω) Max	ISAT (A) Max	DCR (Ω) Max	ISAT (A) Max	DCR (Ω) Max	ISAT (A) Max	DCR (Ω) Max	ISAT (A) Max	DCR (Ω) Max	ISAT (A) Max
1R0N	1.0	0.020	7.79	0.018	8.50	0.008	12.0	0.007	15.2	0.0078	10.0			0.006	19.9
1R8N	1.8													0.007	13.4
2R2N	2.2	0.026	4.50	0.030	5.00	0.012	9.10			0.0105	8.50	0.012	11.5		
2R7N	2.7														
3R3N	3.3	0.040	3.00	0.035	3.50	0.015	8.00	0.015	8.00	0.012	7.60	0.014	8.80		
3R9N	3.9					0.017	6.50								
4R7N	4.7	0.043	2.70	0.040	3.00	0.018	5.70	0.018	7.60	0.0155	7.00	0.016	6.80	0.011	11.0
6R8N	6.8	0.060	2.00	0.045	2.50	0.023	4.90	0.023	5.50	0.018	6.50	0.020	6.20	0.012	10.0
8R2N	8.2							0.024	5.00	0.0195	5.80			0.015	8.50
100M	10	0.072	1.68	0.049	1.84	0.028	4.50	0.025	4.00	0.020	5.50	0.022	5.40	0.017	8.20
120M	12	0.098	1.52	0.058	1.71	0.038	4.00	0.027	3.50	0.023	5.00	0.024	4.90	0.019	7.04
150M	15	0.13	1.33	0.081	1.47	0.050	3.20	0.030	3.30	0.023	4.60	0.027	4.50	0.025	5.22
180M	18	0.14	1.20	0.091	1.31	0.057	3.10	0.034	3.00	0.027	3.90	0.039	3.90	0.027	5.15
220M	22	0.19	1.07	0.11	1.23	0.066	2.90	0.036	2.80	0.036	3.70	0.043	3.60	0.029	5.12
270M	27	0.21	0.96	0.15	1.12	0.080	2.80	0.051	2.30	0.043	3.30	0.046	3.40	0.045	4.50
330M	33	0.24	0.91	0.17	0.96	0.097	2.70	0.057	2.10	0.060	2.80	0.065	3.00	0.053	4.25
390M	39	0.32	0.80	0.23	0.91	0.13	2.10	0.068	2.00	0.070	2.70	0.073	2.75	0.056	4.00
470M	47	0.36	0.76	0.26	0.88	0.15	1.90	0.075	1.80	0.086	2.50	0.10	2.50	0.063	3.60
560M	56	0.47	0.68	0.35	0.75	0.19	1.80	0.11	1.70	0.10	2.20	0.11	2.35	0.068	2.85
680M	68	0.52	0.61	0.38	0.69	0.22	1.50	0.12	1.50	0.11	2.10	0.14	2.10	0.093	2.76
820M	82	0.69	0.57	0.43	0.61	0.26	1.30	0.14	1.40	0.145	1.90	0.16	1.95	0.099	2.62
101M	100	0.79	0.50	0.61	0.60	0.31	1.20	0.16	1.30	0.18	1.70	0.22	1.70	0.13	2.31
121M	120	0.89	0.49	0.66	0.52	0.38	1.10	0.17	1.10	0.21	1.65	0.25	1.60	0.15	2.05
151M	150	1.27	0.43	0.88	0.46	0.53	0.95	0.23	1.00	0.26	1.55	0.28	1.42	0.17	1.80
181M	180	1.45	0.39	0.98	0.42	0.62	0.85	0.29	0.90	0.32	1.40	0.35	1.30	0.19	1.66
221M	220	1.65	0.35	1.17	0.36	0.70	0.80	0.40	0.80	0.38	1.30	0.39	1.16	0.25	1.64
271M	270	2.31	0.32	1.64	0.34	0.88	0.60	0.46	0.75	0.45	1.20	0.56	1.06	0.30	1.55
331M	330	2.62	0.28	1.86	0.32	0.99	0.50	0.51	0.68	0.58	1.10	0.64	0.95	0.39	1.28
391M	390	2.94	0.26	2.85	0.29			0.69	0.65	0.70	1.00	0.70	0.88	0.50	1.10
471M	470	4.18	0.24	3.01	0.26			0.77	0.58	0.82	0.90	0.98	0.79	0.55	1.06
561M	560	4.67	0.22	3.62	0.23			0.86	0.54	1.00	0.80	1.07	0.73	0.65	1.01
681M	680	5.73	0.19	4.63	0.22			1.20	0.48	1.15	0.75	1.46	0.67	0.73	0.83
821M	820	6.54	0.18	5.20	0.20			1.34	0.43	1.50	0.63	1.64	0.60	0.82	0.81
102M	1000	9.44	0.16	6.00	0.18			1.53	0.40	1.70	0.60	1.82	0.55	1.22	0.70
122M	1200													1.33	0.64
152M	1500													1.99	0.56
182M	1800													2.18	0.48
222M	2200													2.58	0.43
332M	3300													4.60	0.37

1. Beyond the above specification also can meet the special requirements. Need detailed content Please to the website query or contact us.
2. Remarks: J=±5%,K=±10%,L=±15%,M=±20%,N=±30%.
3. Test frequency: L≤8.2uH=100KHz/0.25V.
L>8.2uH=1KHz/0.25V.

1. Operating Temp.....-40°C to+125°C(Temperature rise included).
2. Storage Temp.....-40°C to+125°C.
3. Resistance to Soldering Heat.....+245°C for 10 sec.
4. Temperature Rise.....40°C typ. at rated Irms.
5. Inductance Drop.....25% typ. at Isat.

PRODUCT SHAPE DRAWING

0703B/0704B/1204B/1205B/1206B/1207B/1209B



PRODUCT SIZE UNIT: mm

TYPE (mm)	SDRH 0703B	SDRH 0704B	SDRH 1204B	SDRH 1205B	SDRH 1206B	SDRH 1207B	SDRH 1209B
A	7.6 Max	7.6 Max	12.8 Max	12.8 Max	12.8 Max	12.8 Max	12.8 Max
B	7.6 Max	7.6 Max	12.8 Max	12.8 Max	12.8 Max	12.8 Max	12.8 Max
C	3.5 Max	4.5 Max	4.5 Max	5.5 Max	6.5 Max	8.0 Max	10.0 Max
D	1.5 REF	1.5 REF	5.0 REF	5.0 REF	5.0 REF	5.0 REF	5.0 REF
E	3.9 REF	3.9 REF	6.0 REF	6.0 REF	6.0 REF	6.0 REF	6.0 REF
H	1.7 REF	1.7 REF	5.4 REF	5.4 REF	5.4 REF	5.4 REF	5.4 REF
I	2.0 REF	2.0 REF	2.9 REF	2.9 REF	2.9 REF	2.9 REF	2.9 REF
J	4.0 REF	4.0 REF	5.8 REF	5.8 REF	5.8 REF	5.8 REF	5.8 REF