

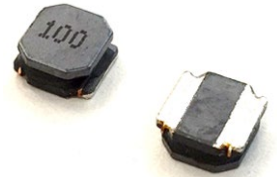
SDIA322516 Series

Features :

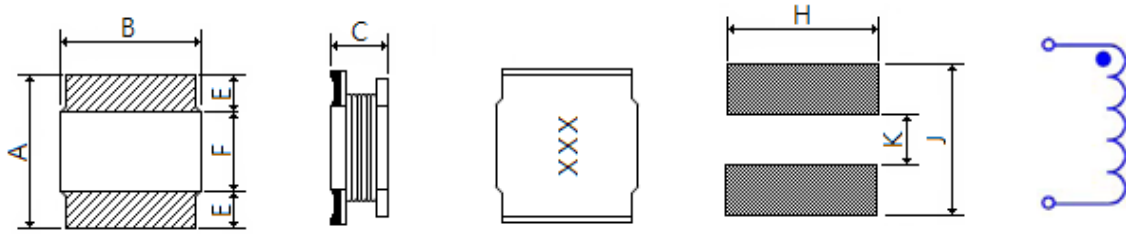
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering methods can be employed

Applications :

- LCD panels , Power line choke , DC-DC converter , laptops and PC



Shapes And Dimensions : (Unit :mm)



Type	A	B	C	E (ref.)	F (ref.)	H (ref.)	J (ref.)	K (ref.)
SDIA322516	3.2 ± 0.3	2.5 ± 0.2	1.6 ± 0.4	0.9	1.3	3.0	3.9	1.0

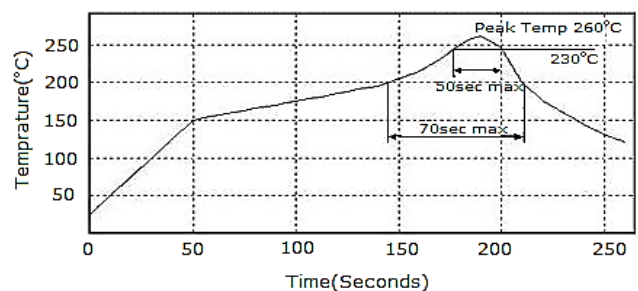
Part Number Code :

SDIA 322516 -1R5 M -E
 1 2 3 4 5

1. Product type
2. Size code
3. Inductance value (1R5 : 1.5uH 150 : 15uH)
4. Tolerance : N±30% M±20% L±15% K±10% J±5%
5. E: Lead free, Rohs compliant

Reflow Profile :

Peak Temp : 260°C
 Max time above 230°C 50sec
 Max time above 200°C 70sec



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Part No.	L (uH)	Tolerance	Test Freq.	DCR(Ω) (max.)	IDC (A) (max.)
SDIA322516-1R0	1.00	N / M	100KHz 0.25V	0.060	1.480
SDIA322516-1R4	1.40	N / M	100KHz 0.25V	0.079	1.380
SDIA322516-1R8	1.80	N / M	100KHz 0.25V	0.101	1.310
SDIA322516-2R2	2.20	N / M	100KHz 0.25V	0.125	1.250
SDIA322516-3R3	3.30	N / M	100KHz 0.25V	0.160	1.080
SDIA322516-4R7	4.70	N / M	100KHz 0.25V	0.236	0.980
SDIA322516-5R6	5.60	N / M	100KHz 0.25V	0.287	0.900
SDIA322516-6R8	6.80	N / M	100KHz 0.25V	0.371	0.790
SDIA322516-8R2	8.20	N / M	100KHz 0.25V	0.471	0.720
SDIA322516-100	10.00	M / K	1.0KHz 0.25V	0.576	0.660
SDIA322516-120	12.00	M / K	1.0KHz 0.25V	0.684	0.590
SDIA322516-150	15.00	M / K	1.0KHz 0.25V	0.888	0.540
SDIA322516-180	18.00	M / K	1.0KHz 0.25V	1.087	0.480
SDIA322516-220	22.00	M / K	1.0KHz 0.25V	1.343	0.430
SDIA322516-330	33.00	M / K	1.0KHz 0.25V	2.245	0.350
SDIA322516-470	47.00	M / K	1.0KHz 0.25V	3.064	0.290
SDIA322516-560	56.00	M / K	1.0KHz 0.25V	4.120	0.270
SDIA322516-680	68.00	M / K	1.0KHz 0.25V	5.289	0.240
SDIA322516-820	82.00	M / K	1.0KHz 0.25V	7.223	0.200
SDIA322516-101	100.00	M / K	1.0KHz 0.25V	8.209	0.190
SDIA322516-121	120.00	M / K	1.0KHz 0.25V	10.888	0.170
SDIA322516-151	150.00	M / K	1.0KHz 0.25V	12.568	0.160
SDIA322516-181	180.00	M / K	1.0KHz 0.25V	19.645	0.140
SDIA322516-221	220.00	M / K	1.0KHz 0.25V	22.307	0.130
SDIA322516-271	270.00	M / K	1.0KHz 0.25V	24.613	0.120
SDIA322516-331	330.00	M / K	1.0KHz 0.25V	28.213	0.110
SDIA322516-391	390.00	M / K	1.0KHz 0.25V	32.187	0.100
SDIA322516-471	470.00	M / K	1.0KHz 0.25V	48.747	0.090
SDIA322516-561	560.00	M / K	1.0KHz 0.25V	53.893	0.080
SDIA322516-681	680.00	M / K	1.0KHz 0.25V	63.013	0.070

Code "-E" : Lead free process and RoHs compliant

Inductanc tolerance : N \pm 30% M \pm 20% L \pm 15% K \pm 10% J \pm 5%

IDC : Δ L/L(0A) \leq 10%