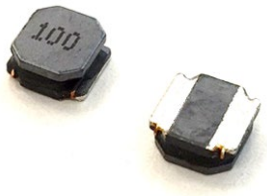
SDIA322520 Series

Features :

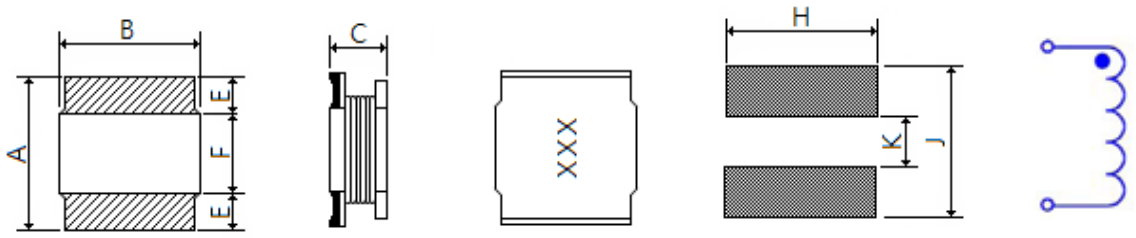
- DC power supply circuit
- Operating temperature range of -25°C to +105°C
- Storage temperature range of -40°C to +125°C
- Resistance to solder heat : 250°C 10secs
- Low DC resistance, High current capacity and high impedance characteristics
- Excellent solder heat resistance, Both flow and reflow soldering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

Applications :

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



Shapes And Dimensions : (Unit :mm)



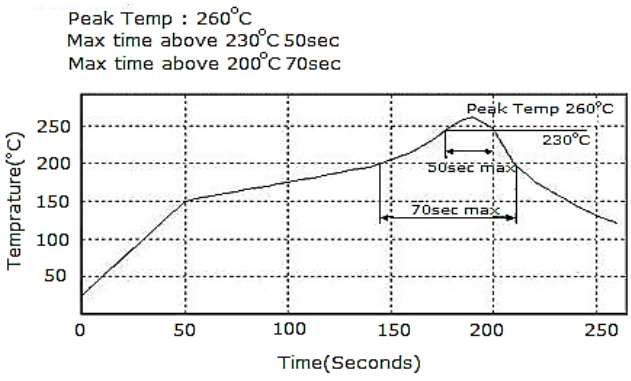
Type	A	B	C	E (ref.)	F (ref.)	H (ref.)	J (ref.)	K (ref.)
SDIA322520	3.2 ± 0.3	2.5 ± 0.3	2.0 ± 0.4	0.9	1.3	3.0	3.9	1.0

Part Number Code :

SDIA	322520	-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 :



RoHS Compliant

SDIA322520 Series

Part No.	L (uH)	Tolerance	Test Freq.	DCR(Ω) (max.)	IDC (A) (max.)
SDIA322520-R10	0.10	M	100KHz 0.25V	0.250	0.700
SDIA322520-R18	0.18	M	100KHz 0.25V	0.250	0.650
SDIA322520-R27	0.27	M	100KHz 0.25V	0.250	0.600
SDIA322520-R29	0.29	M	100KHz 0.25V	0.250	0.560
SDIA322520-R33	0.33	M	100KHz 0.25V	0.250	0.550
SDIA322520-R39	0.39	M	100KHz 0.25V	0.250	0.530
SDIA322520-R56	0.56	M	100KHz 0.25V	0.250	0.530
SDIA322520-R68	0.68	M	100KHz 0.25V	0.250	0.470
SDIA322520-R82	0.82	M	100KHz 0.25V	0.250	0.450
SDIA322520-1R0	1.00	M	100KHz 0.25V	0.500	0.445
SDIA322520-1R2	1.20	M	100KHz 0.25V	0.600	0.425
SDIA322520-1R5	1.50	M	100KHz 0.25V	0.600	0.400
SDIA322520-1R8	1.80	M	100KHz 0.25V	0.700	0.390
SDIA322520-2R2	2.20	M	100KHz 0.25V	0.800	0.370
SDIA322520-2R7	2.70	M	100KHz 0.25V	0.900	0.320
SDIA322520-3R3	3.30	M	100KHz 0.25V	1.000	0.300
SDIA322520-3R9	3.90	M	100KHz 0.25V	1.100	0.290
SDIA322520-4R7	4.70	M	100KHz 0.25V	1.200	0.270
SDIA322520-5R6	5.60	M	100KHz 0.25V	1.300	0.250
SDIA322520-6R8	6.80	M	100KHz 0.25V	1.500	0.240
SDIA322520-8R2	8.20	M	100KHz 0.25V	1.600	0.225
SDIA322520-100	10.00	M / K	1.0KHz 0.25V	1.800	0.190
SDIA322520-120	12.00	M / K	1.0KHz 0.25V	2.000	0.180
SDIA322520-150	15.00	M / K	1.0KHz 0.25V	2.200	0.170
SDIA322520-180	18.00	M / K	1.0KHz 0.25V	2.500	0.160
SDIA322520-220	22.00	M / K	1.0KHz 0.25V	2.800	0.150
SDIA322520-270	27.00	M / K	1.0KHz 0.25V	3.100	0.125
SDIA322520-330	33.00	M / K	1.0KHz 0.25V	3.500	0.115
SDIA322520-390	39.00	M / K	1.0KHz 0.25V	3.900	0.110
SDIA322520-470	47.00	M / K	1.0KHz 0.25V	4.300	0.100
SDIA322520-560	56.00	M / K	1.0KHz 0.25V	4.900	0.085
SDIA322520-680	68.00	M / K	1.0KHz 0.25V	5.500	0.080
SDIA322520-820	82.00	M / K	1.0KHz 0.25V	6.200	0.080
SDIA322520-101	100.00	M / K	1.0KHz 0.25V	7.000	0.080
SDIA322520-121	120.00	M / K	1.0KHz 0.25V	8.000	0.075
SDIA322520-151	150.00	M / K	1.0KHz 0.25V	9.300	0.070
SDIA322520-181	180.00	M / K	1.0KHz 0.25V	10.200	0.065
SDIA322520-221	220.00	M / K	1.0KHz 0.25V	11.800	0.065
SDIA322520-271	270.00	M / K	1.0KHz 0.25V	12.500	0.065

Part No.	L (uH)	Tolerance	Test Freq.	DCR(Ω) (max.)	IDC (A) (max.)
SDIA322520-331	330.00	M / K	1.0KHz 0.25V	13.000	0.065
SDIA322520-391	390.00	M / K	1.0KHz 0.25V	22.000	0.050
SDIA322520-471	470.00	M / K	1.0KHz 0.25V	25.000	0.045
SDIA322520-501	500.00	M / K	1.0KHz 0.25V	27.000	0.042
SDIA322520-551	550.00	M / K	1.0KHz 0.25V	28.000	0.041
SDIA322520-561	560.00	M / K	1.0KHz 0.25V	28.000	0.040
SDIA322520-681	680.00	M / K	1.0KHz 0.25V	30.000	0.035
SDIA322520-821	820.00	M / K	1.0KHz 0.25V	33.000	0.030
SDIA322520-102	1000.00	M / K	1.0KHz 0.25V	39.000	0.030
SDIA322520-222	2200.00	M / K	1.0KHz 0.25V	106.900	0.010

Code "-E" : Lead free process and RoHs compliant
Inductanc tolerance : N±30% M±20% L±15% K±10% J±5%
IDC : $\triangle L/L(0A) \leqq 10\%$