

SDS0705 Series

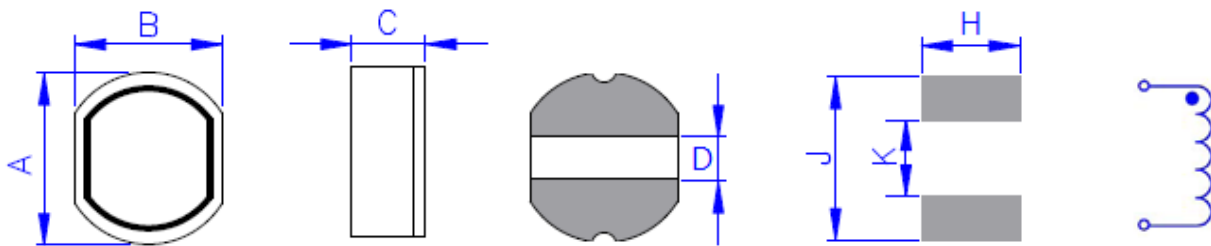
Features :

- DC power supply circuit
- Operating temperature range of -25°C to +85°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
- Open Magnetic circuit construction

Applications :

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

Shapes And Dimensions : (Unit :mm)



Type	A	B	C	D (ref.)	H (ref.)	J (ref.)	K (ref.)
SDS0705	7.8 ± 0.3	7.0 ± 0.3	4.5 ± 0.5	2.1	7.6	8.4	1.7

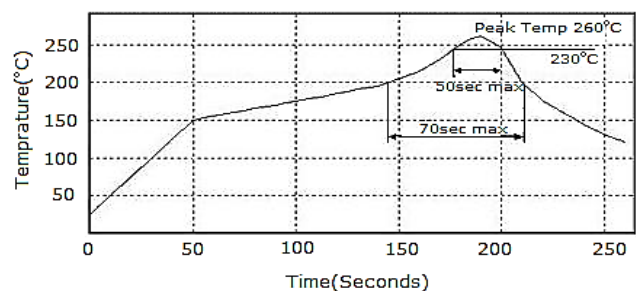
Part Number Code :

SDS 0705 -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.)
SDS0705-3R3	3.30	N	100KHz 0.25V	0.028	2.600
SDS0705-4R7	4.70	N	100KHz 0.25V	0.030	3.150
SDS0705-5R0	5.00	N	100KHz 0.25V	0.040	2.200
SDS0705-100	10.00	M	1.0KHz 0.25V	0.070	1.650
SDS0705-120	12.00	M	1.0KHz 0.25V	0.070	1.570
SDS0705-150	15.00	M	1.0KHz 0.25V	0.080	1.390
SDS0705-180	18.00	M	1.0KHz 0.25V	0.100	1.290
SDS0705-220	22.00	M	1.0KHz 0.25V	0.130	1.120
SDS0705-270	27.00	M	1.0KHz 0.25V	0.160	1.060
SDS0705-330	33.00	M	100KHz 0.25V	0.180	0.970
SDS0705-390	39.00	M	1.0KHz 0.25V	0.180	0.910
SDS0705-470	47.00	M	1.0KHz 0.25V	0.270	0.800
SDS0705-560	56.00	M	1.0KHz 0.25V	0.290	0.760
SDS0705-680	68.00	M / K	1.0KHz 0.25V	0.330	0.680
SDS0705-700	70.00	M	1.0KHz 0.25V	0.360	0.650
SDS0705-820	82.00	M	1.0KHz 0.25V	0.430	0.620
SDS0705-101	100.00	M	1.0KHz 0.25V	0.490	0.550
SDS0705-121	120.00	M	1.0KHz 0.25V	0.680	0.490
SDS0705-151	150.00	M	1.0KHz 0.25V	0.940	0.440
SDS0705-181	180.00	M	1.0KHz 0.25V	1.000	0.400
SDS0705-221	220.00	M	1.0KHz 0.25V	1.180	0.360
SDS0705-271	270.00	M	1.0KHz 0.25V	1.300	0.330
SDS0705-331	330.00	M	1.0KHz 0.25V	1.350	0.260
SDS0705-391	390.00	M	1.0KHz 0.25V	1.440	0.240
SDS0705-471	470.00	M	1.0KHz 0.25V	1.650	0.220
SDS0705-561	560.00	M	1.0KHz 0.25V	2.340	0.200
SDS0705-681	680.00	M	1.0KHz 0.25V	2.600	0.180
SDS0705-821	820.00	M	1.0KHz 0.25V	3.000	0.160
SDS0705-102	1000.00	M	1.0KHz 0.25V	3.520	0.150
SDS0705-122	1200.00	M	1.0KHz 0.25V	4.360	0.130
SDS0705-152	1500.00	M	1.0KHz 0.25V	5.770	0.120
SDS0705-182	1800.00	M	1.0KHz 0.25V	6.890	0.100
SDS0705-222	2200.00	M	1.0KHz 0.25V	7.980	0.098
SDS0705-272	2700.00	M	1.0KHz 0.25V	10.500	0.095
SDS0705-332	3300.00	M	1.0KHz 0.25V	12.700	0.085
SDS0705-392	3900.00	M	1.0KHz 0.25V	16.500	0.075
SDS0705-472	4700.00	M	1.0KHz 0.25V	19.200	0.072

Part No.	L (uH)	Tolerance	Test Freq.	DCR(Ω) (max.)	IDC (A) (max.)
SDS0705-562	5600.00	M	1.0KHz 0.25V	25.600	0.069
SDS0705-682	6800.00	M	1.0KHz 0.25V	32.800	0.063
SDS0705-822	8200.00	M	1.0KHz 0.25V	38.200	0.056
SDS0705-902	9000.00	M	1.0KHz 0.25V	43.200	0.052
SDS0705-103	10000.00	M	1.0KHz 0.25V	50.300	0.050
SDS0705-123	12000.00	M	1.0KHz 0.25V	67.100	0.046
SDS0705-153	15000.00	M	1.0KHz 0.25V	96.700	0.041
SDS0705-183	18000.00	M	1.0KHz 0.25V	100.200	0.038

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 : $\Delta L/L(0A) \leq 10\%$