

Shielded Power Inductor – SPC Type

Features:

- Low profile, very effective in space-conscious applications.
- Low resistance and high energy storage.

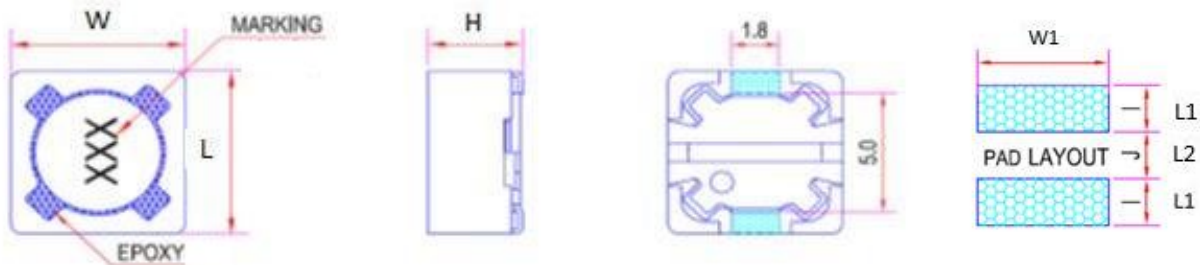
Applications:

- VTR, OA equipment, digital camera, LCD TV, notebook PC, portable communication equipments, DC/DC converters, power supply.

Shape and dimension:

Part Number	Dimensions (mm)					
	L	W	H	W1	L1	L2
SPC73S	7.3±0.2	7.3±0.2	3.4 Ref	2.2 Ref	1.6 Ref	4.8 Ref
SPC74S	7.3±0.2	7.3±0.2	4.5 Ref	2.2 Ref	1.6 Ref	4.8 Ref

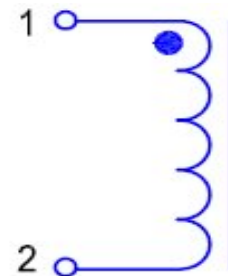
1. Operating temperature -40°C ~ +125°C
2. Storage conditions -40°C ~ +125°C



Material list:

No.	Location	Material
1	Core	Ferrite Ni-Zn Core
2	Wire	Grade1 P180
3	Solder	Sn99.3 Cu0.7
4	Clip	Cu/Sn
5	Epoxy	G500HF

Equivalent Circuit Schematic:



Specifications of SPC073S series:

Part No.	Inductance		DCR (mΩ)	Rated Current (A)	Test Frequency
	(μH)		Max.	Max.	
SPC073S-1R0N	1	± 30%	16	7,97	100KHz/0.25V
SPC073S-1R5N	1,5	± 30%	23	5,50	100KHz/0.25V
SPC073S-2R2N	2,2	± 30%	27	4,50	100KHz/0.25V
SPC073S-3R3N	3,3	± 30%	31	4,00	100KHz/0.25V
SPC073S-3R9N	3,9	± 30%	41	3,80	100KHz/0.25V
SPC073S-4R7M	4,7	± 20%	48	3,50	100KHz/0.25V
SPC073S-5R6M	5,6	± 20%	56	3,00	100KHz/0.25V
SPC073S-6R8M	6,8	± 20%	60	2,10	100KHz/0.25V
SPC073S-100M	10	± 20%	72	1,68	100KHz/0.25V
SPC073S-120M	12	± 20%	98	1,52	100KHz/0.25V
SPC073S-150M	15	± 20%	130	1,33	100KHz/0.25V
SPC073S-180M	18	± 20%	140	1,20	100KHz/0.25V
SPC073S-220M	22	± 20%	190	1,07	100KHz/0.25V
SPC073S-270M	27	± 20%	210	0,96	100KHz/0.25V
SPC073S-330M	33	± 20%	240	0,91	100KHz/0.25V
SPC073S-390M	39	± 20%	320	0,77	100KHz/0.25V
SPC073S-470M	47	± 20%	360	0,76	100KHz/0.25V
SPC073S-560M	56	± 20%	470	0,68	100KHz/0.25V
SPC073S-680M	68	± 20%	520	0,61	100KHz/0.25V
SPC073S-820M	82	± 20%	690	0,57	100KHz/0.25V
SPC073S-101M	100	± 20%	790	0,50	100KHz/0.25V
SPC073S-121M	120	± 20%	890	0,49	100KHz/0.25V
SPC073S-151M	150	± 20%	1270	0,43	100KHz/0.25V
SPC073S-181M	180	± 20%	1450	0,39	100KHz/0.25V
SPC073S-221M	220	± 20%	1650	0,35	100KHz/0.25V
SPC073S-271M	270	± 20%	2310	0,32	100KHz/0.25V
SPC073S-331M	330	± 20%	2620	0,28	100KHz/0.25V
SPC073S-391M	390	± 20%	2940	0,26	100KHz/0.25V
SPC073S-471M	470	± 20%	4180	0,24	100KHz/0.25V
SPC073S-561M	560	± 20%	4670	0,22	100KHz/0.25V
SPC073S-681M	680	± 20%	5730	0,19	100KHz/0.25V
SPC073S-821M	820	± 20%	6540	0,18	100KHz/0.25V
SPC073S-102M	1000	± 20%	9440	0,16	100KHz/0.25V

Specifications of SPC074S series:

Part No.	Inductance		DCR (mΩ)	Rated Current (A)	Test Frequency
	(μH)		Max.	Max.	
SPC074S-1R0N	1,0	± 30%	15	9,000	100KHz/0.25V
SPC074S-1R5N	1,5	± 30%	18	7,000	100KHz/0.25V
SPC074S-2R2N	2,2	± 30%	28	5,100	100KHz/0.25V
SPC074S-3R3N	3,3	± 30%	32	4,800	100KHz/0.25V
SPC074S-3R9N	3,9	± 30%	35	4,400	100KHz/0.25V
SPC074S-4R7M	4,7	± 20%	38	4,000	100KHz/0.25V
SPC074S-5R6M	5,6	± 20%	40	3,500	100KHz/0.25V
SPC074S-6R8M	6,8	± 20%	45	3,000	100KHz/0.25V
SPC074S-100M	10	± 20%	49	1,840	100KHz/0.25V
SPC074S-120M	12	± 20%	58	1,710	100KHz/0.25V
SPC074S-150M	15	± 20%	81	1,470	100KHz/0.25V
SPC074S-180M	18	± 20%	91	1,310	100KHz/0.25V
SPC074S-220M	22	± 20%	110	1,230	100KHz/0.25V
SPC074S-270M	27	± 20%	150	1,120	100KHz/0.25V
SPC074S-330M	33	± 20%	170	0,960	100KHz/0.25V
SPC074S-390M	39	± 20%	230	0,910	100KHz/0.25V
SPC074S-470M	47	± 20%	260	0,880	100KHz/0.25V
SPC074S-560M	56	± 20%	350	0,750	100KHz/0.25V
SPC074S-680M	68	± 20%	380	0,690	100KHz/0.25V
SPC074S-820M	82	± 20%	430	0,610	100KHz/0.25V
SPC074S-101M	100	± 20%	610	0,600	100KHz/0.25V
SPC074S-121M	120	± 20%	660	0,520	100KHz/0.25V
SPC074S-151M	150	± 20%	880	0,460	100KHz/0.25V
SPC074S-181M	180	± 20%	980	0,420	100KHz/0.25V
SPC074S-221M	220	± 20%	1170	0,360	100KHz/0.25V
SPC074S-271M	270	± 20%	1640	0,340	100KHz/0.25V
SPC074S-331M	330	± 20%	1860	0,320	100KHz/0.25V
SPC074S-391M	390	± 20%	2850	0,290	100KHz/0.25V
SPC074S-471M	470	± 20%	3010	0,260	100KHz/0.25V
SPC074S-561M	560	± 20%	3620	0,230	100KHz/0.25V
SPC074S-681M	680	± 20%	4630	0,220	100KHz/0.25V
SPC074S-821M	820	± 20%	5200	0,200	100KHz/0.25V
SPC074S-102M	1000	± 20%	6000	0,190	100KHz/0.25V