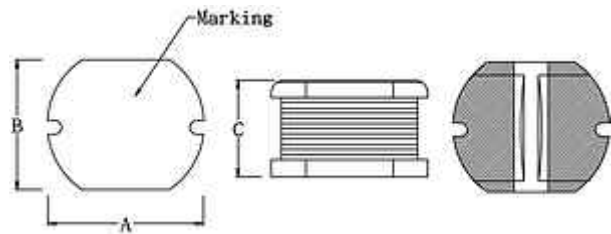


SMD Power Inductor – STP Series

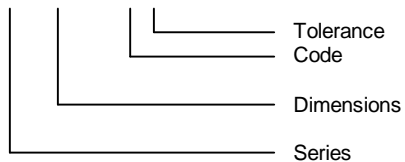


Features

- STP Series is superior to be high saturation for surface mounting
- High current rating for high current circuits
- Designed by special lead wire to prevent open circuit failure
- Excellent terminal strength construction

Ordering Information

STP 0302-4R7 K



Dimensions

Part No.	A	B	C
STP0302	3.2 ± 0.30	2.8 ± 0.30	2.3 ± 0.30
STP0403	4.5 ± 0.30	4.0 ± 0.30	3.2 ± 0.30
STP0504	5.8 ± 0.30	5.2 ± 0.30	4.5 ± 0.35
STP0703	7.8 ± 0.30	7.0 ± 0.30	3.5 ± 0.50
STP0705	7.8 ± 0.30	7.0 ± 0.30	5.0 ± 0.50
STP1004	10 ± 0.30	9.0 ± 0.30	4.0 ± 0.50
STP1005	10 ± 0.40	9.0 ± 0.40	5.4 ± 0.40

Package

SIZE	STP0302	STP0403	STP0504	STP0703	STP0705	STP1004	STP1005
QTY/REEL	2000pcs.	1500pcs.	1500pcs.	1000pcs.	1000pcs.	1000pcs.	500pcs.



Code	L (μ H)	STP0302		STP0403		STP0504		STP0703		STP0705		STP1004		STP1005	
		RDC Max. (Ω)	IDC Max. (A)	RDC Max. (Ω)	IDC Max. (A)	RDC Max. (Ω)	IDC Max. (A)	RDC Max. (Ω)	IDC Max. (A)	RDC Max. (Ω)	IDC Max. (A)	RDC Max. (Ω)	IDC Max. (A)	RDC Max. (Ω)	IDC Max. (A)
1R0	1.0			0.049	2.560										
1R4	1.4			0.057	2.520										
1R5	1.5														
1R8	1.8			0.064	1.950										
2R2	2.2			0.072	1.750										
2R7	2.7			0.079	1.580										
3R3	3.3			0.087	1.440										
3R9	3.9			0.094	1.330										
4R7	4.7			0.109	1.150										
5R6	5.6			0.126	0.990										
6R8	6.8			0.132	0.950										
7R4	7.4														
8R2	8.2			0.147	0.840										
100	10	0.230	0.760	0.182	1.040	0.100	1.440	0.081	1.440	0.070	2.300	0.053	2.380	0.060	2.600
120	12	0.270	0.685	0.210	0.970	0.120	1.400	0.090	1.390	0.080	2.000	0.061	2.130	0.070	2.450
150	15	0.310	0.635	0.235	0.850	0.140	1.300	0.104	1.240	0.090	1.800	0.070	1.870	0.080	2.270
180	18	0.410	0.525	0.338	0.740	0.150	1.230	0.111	1.120	0.100	1.600	0.081	1.730	0.090	2.150
220	22	0.470	0.500	0.378	0.680	0.180	1.110	0.129	1.070	0.110	1.500	0.088	1.600	0.100	1.950
270	27	0.660	0.405	0.522	0.620	0.200	0.970	0.153	0.940	0.120	1.300	0.100	1.440	0.110	1.760
330	33	0.760	0.380	0.540	0.560	0.230	0.880	0.170	0.850	0.130	1.200	0.120	1.260	0.120	1.500
390	39	0.850	0.355	0.587	0.520	0.320	0.800	0.217	0.740	0.160	1.100	0.151	1.200	0.140	1.370
470	47	0.970	0.330	0.844	0.440	0.370	0.720	0.252	0.680	0.180	1.100	0.170	1.100	0.170	1.280
560	56	1.250	0.290	0.937	0.420	0.420	0.680	0.282	0.640	0.240	0.940	0.199	1.010	0.190	1.170
680	68	1.450	0.275	1.117	0.370	0.460	0.610	0.332	0.590	0.280	0.850	0.223	0.910	0.220	1.110
820	82	1.850	0.235			0.600	0.580	0.406	0.540	0.370	0.780	0.252	0.850	0.250	1.000
101	100	2.200	0.220			0.700	0.520	0.481	0.510	0.430	0.720	0.344	0.740	0.350	0.970
121	120	2.900	0.185			0.930	0.480	0.536	0.490	0.470	0.660	0.396	0.690	0.400	0.890
151	150	3.400	0.170			1.100	0.400	0.755	0.400	0.640	0.580	0.544	0.610	0.470	0.780
181	180	3.900	0.165			1.380	0.380	1.022	0.360	0.710	0.510	0.621	0.560	0.630	0.720
221	220	4.500	0.155			1.570	0.350	1.200	0.310	0.960	0.490	0.721	0.530	0.730	0.660
271	270	6.000	0.135					1.306	0.290	1.110	0.420	0.949	0.450	0.970	0.570
331	330	7.000	0.125					1.495	0.280	1.260	0.400	1.100	0.420	1.150	0.520
391	390	7.000	0.115							1.770	0.360	1.245	0.380	1.300	0.480
471	470									1.960	0.340	1.526	0.350	1.480	0.420
561	560										1.904	0.320	1.900	0.330	
681	680													2.250	0.280
821	820													2.550	0.240
102	1000													2.750	0.220