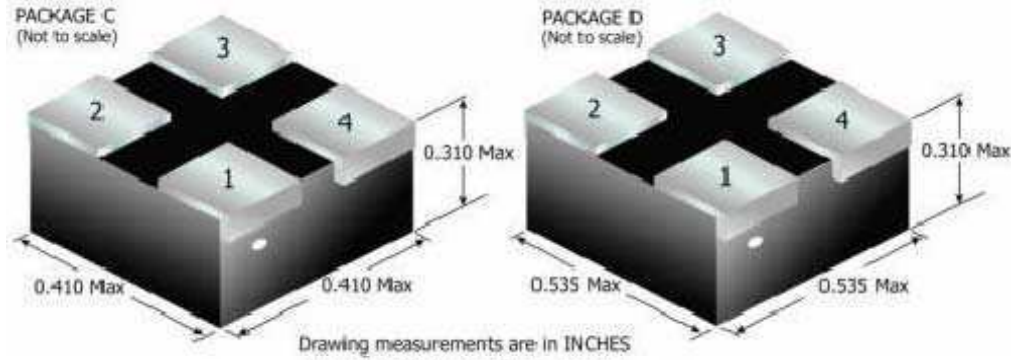


# S92000 Package C (92300 Series) and Package D (92400)

## Power Inductors



### FEATURES

- Compact, low profile package, ideal for automatic placement.
- Leadless Device for minimum footprint. Low Thermal Expansion permits mounting on most substrate materials.
- Different values and tighter tolerances available on special order.
- Welded Internal Connections, Transfer Molded Package.
- Toroidal Construction produces shielding and low external magnetic field.

### SPECIFICATIONS

- Operating Temperature Range: -55 °C to +125 °C
- Temperature Rise (@ 90 °C): < 30 °C
- Inductance drop at rated DC: <30%
- Mounting and TCE: Call Factory for Application Note
- Dielectric Withstanding Voltage: 500 Vac
- Delta L: ± 2% over operating temperature range
- Terminations: Tin-Lead Coated Phosphor Bronze
- Altitude: 70,000 feet or more (1.31 inHg or less)
- Resistance to Soldering Heat: 265 °C for 10 secs
- Moisture, Shock and Immersion Resistant
- Overload Current: 1.5 times rated current

S92300 Series				S92400 Series			
C/ACM Part Number	Inductance uH ±10%	DC Resistance Ohms, Max.	Rated D.C. mA	C/ACM Part Number	Inductance uH ±10%	DC Resistance Ohms, Max.	Rated D.C. mA
S92301	15	0.035	2000	S92401	15	0.0221	2760
S92302	18	0.047	1900	S92402	18	0.0289	2300
S92303	20	0.051	1700	S92403	20	0.0349	2250
S92304	22	0.055	1600	S92404	22	0.0400	2200
S92305	25	0.064	1550	S92405	25	0.0422	2100
S92306	27	0.074	1500	S92406	27	0.0444	2000
S92307	30	0.078	1420	S92407	30	0.0466	1900
S92308	33	0.083	1350	S92408	33	0.0489	1800
S92309	39	0.088	1300	S92409	39	0.0676	1600
S92310	47	0.119	1100	S92410	47	0.0760	1400
S92311	50	0.125	1050	S92411	50	0.089	1350
S92312	56	0.131	1000	S92412	56	0.102	1300
S92313	68	0.188	950	S92413	68	0.113	1200
S92314	75	0.203	920	S92414	75	0.118	1150
S92315	82	0.218	890	S92415	82	0.123	1100
S92316	100	0.284	800	S92416	100	0.174	1000
S92317	120	0.312	730	S92417	120	0.192	920
S92318	150	0.429	650	S92418	150	0.268	830
S92319	180	0.478	590	S92419	180	0.289	760
S92320	200	0.501	565	S92420	200	0.351	720
S92321	220	0.524	540	S92421	220	0.413	680
S92322	250	0.630	510	S92422	250	0.434	650
S92323	270	0.737	480	S92423	270	0.456	620
S92324	300	0.780	450	S92424	300	0.480	590
S92325	330	0.824	430	S92425	330	0.505	560
S92326	350	0.977	415	S92426	350	0.599	530
S92327	390	1.13	400	S92427	390	0.693	510
S92328	470	1.25	360	S92428	470	0.755	470
S92329	500	1.30	340	S92429	500	0.887	450
S92330	560	1.35	330	S92430	560	1.02	430
S92331	680	1.88	300	S92431	680	1.13	390
S92332	750	1.97	290	S92432	750	1.34	370
S92333	820	2.07	280	S92433	820	1.56	350
S92334	1000	2.88	250	S92434	1000	1.75	320
S92335	1200	3.15	230	S92435	1200	1.89	290
S92336	1500	4.35	200	S92436	1500	2.70	260
S92337	1800	4.74	180	S92437	1800	2.96	240
S92338	2000	5.69	175	S92438	2000	3.11	220
S92339	2200	6.64	170	S92439	2200	3.27	210
S92340	2700	7.38	150	S92440	2700	4.59	190
S92341	3000	7.72	140	S92441	3000	4.93	180



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