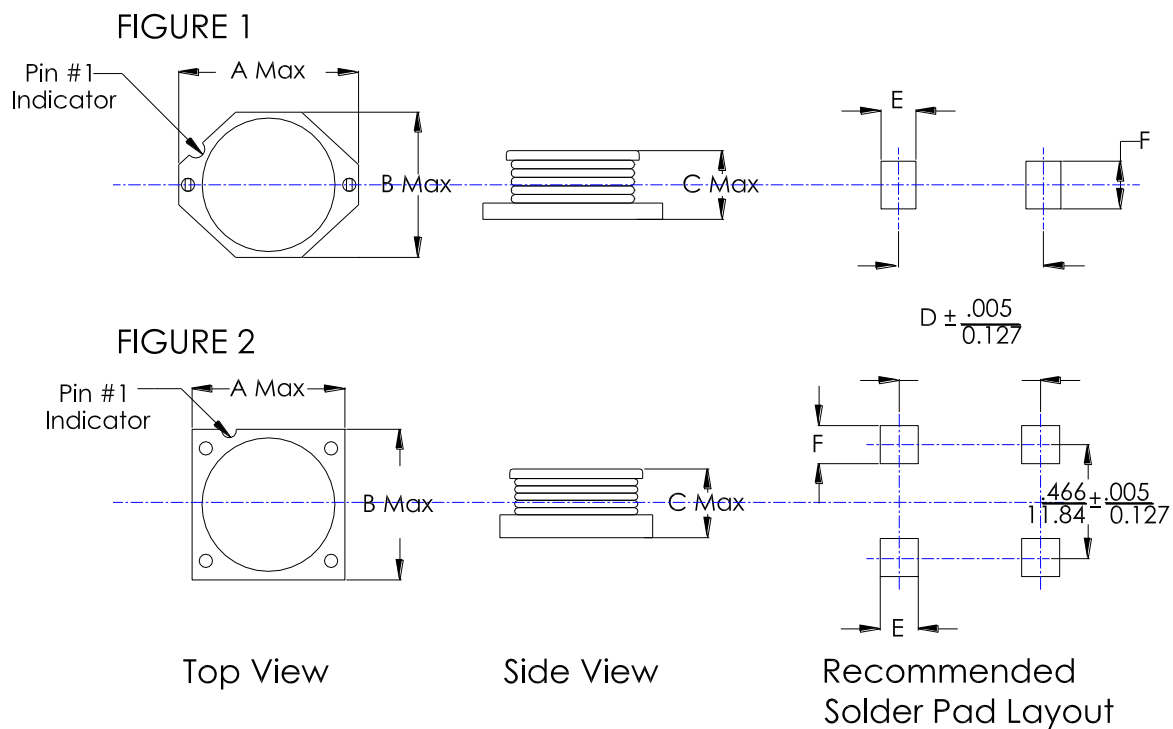




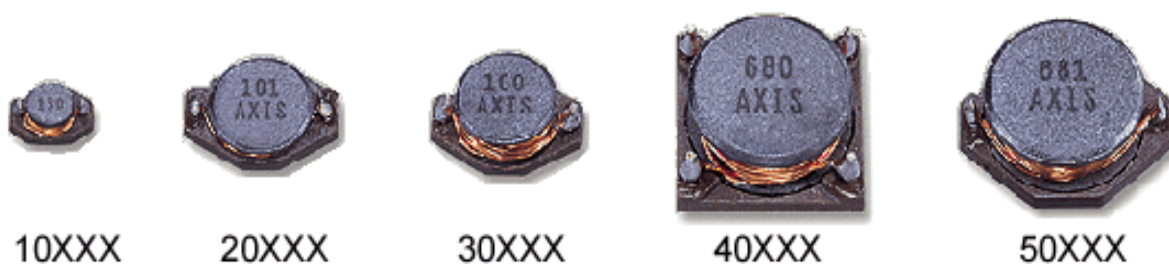
AX97 Series

SMD POWER INDUCTORS

OUTLINE DIMENSIONS/RECOMMENDED PCB LAYOUT(inch/mm)



Part No.	A	B	C	D	E	F	Figure
AX97-10	<u>0.295</u> 7.30	<u>0.188</u> 4.78	<u>0.127</u> 3.23	<u>0.218</u> 5.54	<u>0.059</u> 1.50	<u>0.100</u> 2.54	1
AX97-20	<u>0.530</u> 13.46	<u>0.370</u> 9.40	<u>0.137</u> 3.50	<u>0.404</u> 10.26	<u>0.120</u> 3.05	<u>0.135</u> 3.43	1
AX97-30	<u>0.530</u> 13.46	<u>0.370</u> 9.40	<u>0.232</u> 5.90	<u>0.404</u> 10.26	<u>0.120</u> 3.05	<u>0.135</u> 3.43	1
AX97-40	<u>0.634</u> 16.10	<u>0.622</u> 15.80	<u>0.284</u> 7.21	<u>0.520</u> 13.21	<u>0.157</u> 4.00	<u>0.157</u> 4.00	2
AX97-50	<u>0.746</u> 18.95	<u>0.600</u> 15.24	<u>0.284</u> 7.21	<u>0.595</u> 15.11	<u>0.145</u> 3.68	<u>0.135</u> 3.43	1



Web: www.TriadMagnetics.com
Phone 951-277-0757
Fax 951-277-2757

460 Harley Knox Blvd.
Perris, California 92571

Publish Date: May 29, 2019

Design and specification are subject to change without notice.

Web: www.TriadMagnetics.com
Phone 951-277-0757
Fax 951-277-2757

460 Harley Knox Blvd.
Perris, California 92571

Publish Date: May 29, 2019

SPECIFICATIONS

Part Number	Inductance ($\mu\text{H} \pm 20\%$) (Note 1)	DC Resistance @25°C (Ω_{max}) (Note 3)	Rated Current (Amp) (Note 2)	Figure	Part Number	Inductance ($\mu\text{H} \pm 20\%$) (Note 1)	DC Resistance @25°C (Ω_{max}) (Note 3)	Rated Current (Amp) (Note 2)	Figure
AX97-101R0	1.0	0.03	2.90	1	AX97-30101	100	0.30	1.50	1
AX97-101R5	1.5	0.05	2.80	1	AX97-30151	150	0.44	1.20	1
AX97-102R2	2.2	0.06	2.40	1	AX97-30221	220	0.64	1.00	1
AX97103R3	3.3	0.09	2.00	1	AX97-30331	330	1.00	0.80	1
AX97104R7	4.7	0.12	1.50	1	AX97-30471	470	1.50	0.50	1
AX97-106R8	6.8	0.17	1.30	1	AX97-30681	680	2.20	0.40	1
AX97-10100	10	0.22	1.00	1	AX97-30102	1000	3.15	0.30	1
AX97-10150	15	0.30	0.80	1	AX97-403R3	3.3	0.01	9.80	2
AX97-10220	22	0.43	0.70	1	AX97-404R7	4.7	0.01	9.30	2
AX97-10330	33	0.69	0.57	1	AX97-406R8	6.8	0.02	7.70	2
AX97-10470	47	0.92	0.46	1	AX97-408R2	8.2	0.02	7.00	2
AX97-10680	68	1.39	0.37	1	AX97-40100	10	0.02	6.50	2
AX97-10101	100	1.98	0.28	1	AX97-40150	15	0.03	5.30	2
AX97-10151	150	3.08	0.22	1	AX97-40220	22	0.04	4.40	2
1X97-10221	220	4.47	0.18	1	AX97-40330	33	0.06	3.50	2
AX97-10331	330	6.90	0.15	1	AX97-40470	47	0.07	3.00	2
AX97-10471	470	11.55	0.12	1	AX97-40680	68	0.11	2.50	2
AX97-20100	10	0.070	2.00	1	AX97-40820	82	0.12	2.20	2
AX97-20150	15	0.090	1.50	1	AX97-40101	100	0.15	2.00	2
AX97-20220	22	0.150	1.30	1	AX97-40151	150	0.22	1.70	2
AX97-20330	33	0.210	1.10	1	AX97-40221	220	0.33	1.30	2
AX97-20470	47	0.310	0.80	1	AX97-40331	330	0.45	1.10	2
AX97-20680	68	0.420	0.70	1	AX97-40471	470	0.70	0.93	2
AX97-20101	100	0.580	0.60	1	AX97-40681	680	1.00	0.78	2
AX97-20151	150	0.890	0.50	1	AX97-40102	1000	1.45	0.65	2
AX97-20221	220	1.300	0.40	1	AX97-50R78	0.78	0.003	16.00	1
AX97-20331	330	2.000	0.30	1	AX97-501R3	1.3	0.0043	14.00	1
AX98-20471	470	2.500	0.20	1	AX97-502R0	2.0	0.005	12.00	1
AX97-20681	680	3.500	0.10	1	AX97-502R6	2.6	0.006	10.00	1
AX97-20102	1000	6.000	0.05	1	AX97-503R3	3.3	0.008	9.80	1
AX97-301R0	1.0	0.01	8.50	1	AX97-505R6	5.6	0.010	7.50	1
AX97-301R5	1.5	0.01	7.90	1	AX97-50100	10	0.023	6.00	1
AX97-302R2	2.2	0.02	7.40	1	AX97-50150	15	0.035	4.50	1
AX97-303R3	3.3	0.02	6.60	1	AX97-50220	22	0.045	4.00	1
AX97-304R7	4.7	0.02	6.00	1	AX97-50330	33	0.075	3.00	1
AX98-306R8	6.8	0.03	5.20	1	AX97-50470	47	0.096	2.60	1
AX97-308R2	8.2	0.03	5.00	1	AX97-50680	68	0.140	2.30	1
AX97-30100	10.0	0.04	4.60	1	AX97-50101	100	0.190	1.70	1
AX97-30150	15.0	0.05	3.70	1	AX97-50151	150	0.290	1.50	1
AX97-30220	22.0	0.07	3.10	1	AX97-50221	220	0.410	1.20	1
AX97-30330	33.0	0.11	2.50	1	AX97-50331	330	0.540	1.00	1
AX97-30470	47.0	0.16	2.00	1	AX97-50471	470	0.800	0.83	1
AX97-30680	68.0	0.20	1.80	1	AX97-50681	680	1.150	0.72	1
AX97-30820	82.0	0.24	1.58	1	AX97-50102	1000	1.800	0.56	1

Note:1. Inductance measured at 100.0KHz, 0.1Vrms, without DC current.

2. Rated DC current is the approximate current at which inductance will be decreased by 10% from its initial (zero DC) value or the DC current at which $\Delta T = 40^\circ\text{C}$, whichever is lower.

3. For AX97-40 Serie, resistance measured with both windings conducted in parallel.

4. Operating Temperature: -40°C to $+85^\circ\text{C}$

RoHS Compliance: As of manufacturing date February 2016, all standard products meet the requirements of 2015/863/EU, known as the RoHS 3 initiative.

* Upon printing, this document is considered "uncontrolled". Please contact Triad Magnetics' website for the most current version

Web: www.TriadMagnetics.com
Phone 951-277-0757
Fax 951-277-2757

460 Harley Knox Blvd.
Perris, California 92571

Publish Date: May 29, 2019