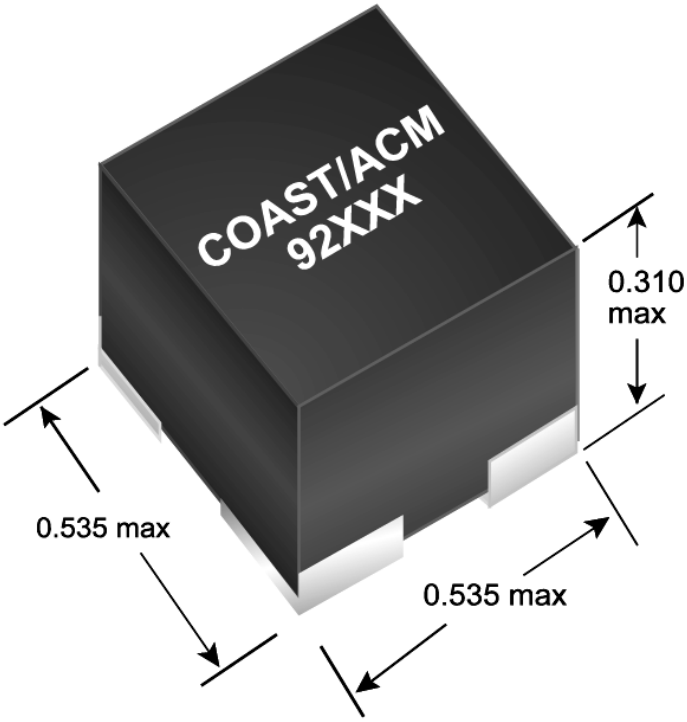
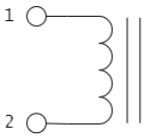
Power Inductors – 92000D Series

ISO 9001:2015 CERTIFIED | AS9100D CERTIFIED | ITAR REGISTERED



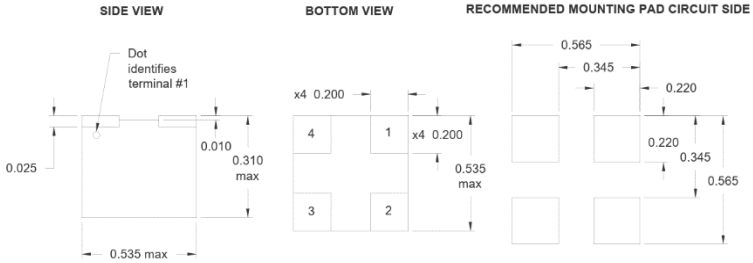


BACK-SIDE VIEW



IN	MM
0.565	14.35
0.535	13.59
0.345	8.76
0.310	7.87
0.220	5.59
0.200	5.08
0.025	0.64
0.010	0.25

MIL-PRF-27



SPECIFICATIONS

- **Inductance:** 15 µH to 3000 µH
- **Standard Tolerance:** ±10%
- **Operating Temperature:** -55°C to +125°C
- **Storage Temperature:** -60°C to +130°C
- **Inductance measured at** 0.1 Vrms, 10 kHz, 0 DC current
- **Standard Termination Finish:** Tin-lead
- **Weight:** 35.4 gram, maximum
- **Dielectric Withstanding Voltage:** Method 301 of MIL-STD-202, test voltage 200 Vrms
- **Glass Transition Temperature (T_g):** 165°C
- **Coefficient of Thermal Expansion (CTE):**
  Before T_g 18 ppm/°C
  After T_g 54 ppm/°C

FEATURES

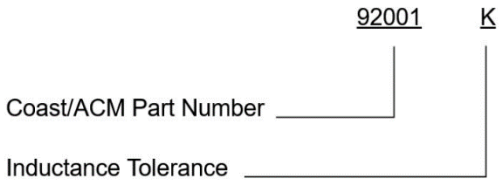
- Transfer Molded Package
- Marking: Laser or Ink
- Leadless device for minimum footprint
- Internal Welded Terminations
- Low EMI Radiation
- Low Thermal Expansion permits mounting on most substrate materials
- Termination Finish Options available (additional charge)
- Tighter Tolerances available (additional charge)
- Tape and Reel Packaging available (additional charge)
  Full Reel Quantity (Small): 125 pieces
  Full Reel Quantity (Large): 300 pieces
- Custom Designs: Other electrical configurations and performance characteristics are available in various sizes and package type
- Available for Space Application per MIL-STD-981 (see S92000D Series)

APPLICATIONS

Designed to meet the requirements of MIL-PRF-27 ensuring optimal performance in military-grade applications.

This specification pertains to molded, shielded electrical connectors and accessories, emphasizing reliability and robustness. Ideal for aerospace and defense applications, these inductors offer both durability and precision.

PART IDENTIFYING NUMBER



K: Inductance Tolerance
M: ±20% K: ±10% J: ±5%

Power Inductors – 92000D Series

C/ACM P/N	Inductance ±10 percent (µH)	DCR (max) ohms	Current (max) mA
92401	15	0.0221	2760
92402	18	0.0289	2300
92403	20	0.0349	2250
92404	22	0.0400	2200
92405	25	0.0422	2100
92406	27	0.0444	2000
92407	30	0.0466	1900
92408	33	0.0489	1800
92409	39	0.0676	1600
92410	47	0.0760	1400
92411	50	0.089	1350
92412	56	0.102	1300
92413	68	0.113	1200
92414	75	0.118	1150
92415	82	0.123	1100
92416	100	0.174	1000
92417	120	0.192	920
92418	150	0.268	830
92419	180	0.289	760
92420	200	0.351	720
92421	220	0.413	680
92422	250	0.434	650
92423	270	0.456	620
92424	300	0.480	590
92425	330	0.505	560
92426	350	0.599	530
92427	390	0.693	510
92428	470	0.755	470
92429	500	0.887	450
92430	560	1.02	430
92431	680	1.13	390
92432	750	1.34	370
92433	820	1.56	350
92434	1000	1.75	320
92435	1200	1.89	290
92436	1500	2.70	260
92437	1800	2.96	240
92438	2000	3.11	220
92439	2200	3.27	210
92440	2700	4.59	190
92441	3000	4.93	180