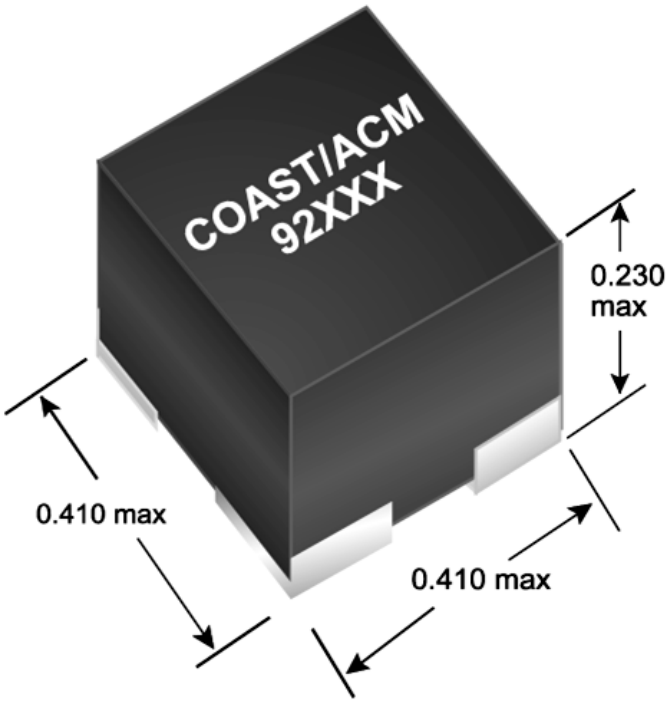
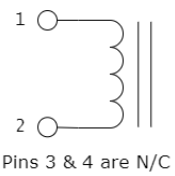
Power Inductors – 92000B Series



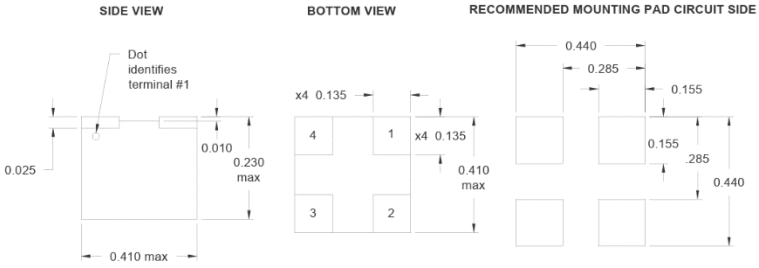


BACK-SIDE VIEW



IN	MM
0.440	11.18
0.410	10.41
0.285	7.24
0.230	5.84
0.155	3.94
0.135	3.43
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

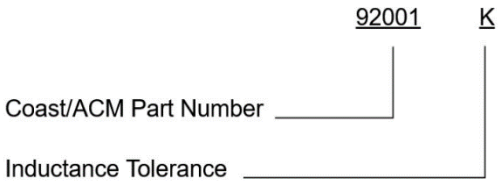
- Transfer Molded Package
- Marking: Laser or Ink
- Leadless device for minimum footprint
- Internal Welded Terminations
- Low EMI Radiation
- Low Thermal Expansion permits mounting on most substrate materials
- Termination Finish Options available (additional charge)
- Tighter Tolerances available (additional charge)
- Tape and Reel Packaging available (additional charge)
  Full Reel Quantity (Small): 200 pieces
  Full Reel Quantity (Large): 650 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 S92000B 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 – 92000B Series

C/ACM P/N	Inductance ±10 percent (µH)	DCR (max) ohms	Current (max) mA
92201	15	0.069	1460
92202	18	0.073	1380
92203	20	0.078	1300
92204	22	0.081	1240
92205	25	0.100	1180
92206	27	0.114	1130
92207	30	0.120	1050
92208	33	0.130	1000
92209	39	0.177	920
92210	47	0.196	830
92211	50	0.200	800
92212	56	0.209	780
92213	68	0.263	710
92214	75	0.285	670
92215	82	0.315	640
92216	100	0.443	580
92217	120	0.484	530
92218	150	0.694	470
92219	180	0.760	430
92220	200	0.800	410
92221	220	0.84	390
92222	250	1.00	370
92223	270	1.18	350
92224	300	1.22	330
92225	330	1.29	320
92226	350	1.50	300
92227	390	1.76	290
92228	470	1.94	260
92229	500	2.00	250
92230	560	2.12	240
92231	680	2.88	220
92232	750	3.00	210
92233	820	3.16	200
92234	1000	4.42	180
92235	1200	4.84	160
92236	1500	7.10	140
92237	1800	7.77	120
92238	2000	8.00	115
92239	2200	8.58	112
92240	2700	12.11	110
92241	3000	13.00	100