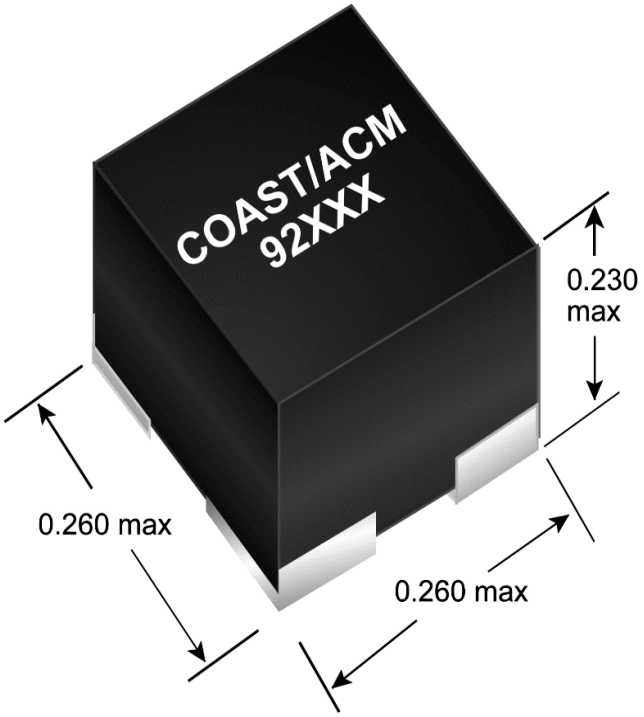
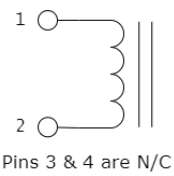
Power Inductors – 92000A Series



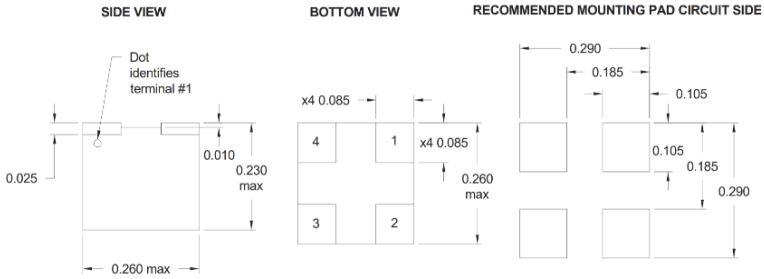


BACK-SIDE VIEW



IN	MM
0.290	7.37
0.260	6.60
0.230	5.84
0.185	4.70
0.105	2.67
0.085	2.16
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

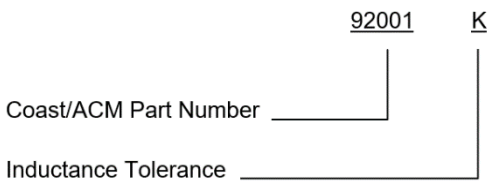
- Transfer Molded Package
- Marking: Laser or Ink
- Leadless device for minimum footprint
- Internal Welded Terminations
- Low EMI Radiation
- Low Thermal Expansion permits mounting on most substrate materials
- Termination Finish Options available (additional charge)
- Tighter Tolerances available (additional charge)
- Tape and Reel Packaging available (additional charge)
  - Full Reel Quantity (Small): 300 pieces
  - Full Reel Quantity (Large): 1000 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 S92000A 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 – 92000A Series

C/ACM P/N	Inductance ±10 percent (µH)	DCR (max) ohms	Current (max) mA
92101	15	0.11	820
92102	18	0.12	750
92103	20	0.15	720
92104	22	0.16	690
92105	25	0.17	650
92106	27	0.18	610
92107	30	0.22	580
92108	33	0.25	550
92109	39	0.27	520
92110	47	0.30	460
92111	50	0.32	440
92112	56	0.33	430
92113	68	0.36	390
92114	75	0.38	370
92115	82	0.39	350
92116	100	0.71	320
92117	120	0.78	290
92118	150	0.88	260
92119	180	1.20	240
92120	200	1.25	230
92121	220	1.3	220
92122	250	1.6	200
92123	270	1.8	190
92124	300	1.9	180
92125	330	2.0	170
92126	350	2.5	165
92127	390	2.8	160
92128	470	3.0	140
92129	500	3.1	135
92130	560	3.3	130
92131	680	4.7	120
92132	750	5.1	115
92133	820	5.2	110
92134	1000	7.3	100
92135	1200	8.0	93
92136	1500	11.0	83
92137	1800	12.1	75
92138	2000	15.0	70
92139	2200	16.8	68
92140	2700	18.6	62
92141	3000	24.7	59