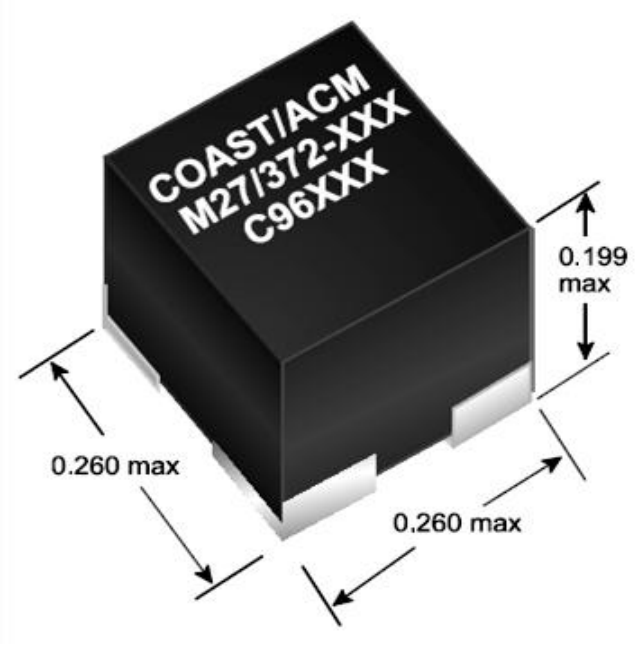
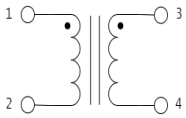
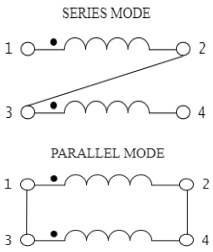
Power Inductors – C96000F Series



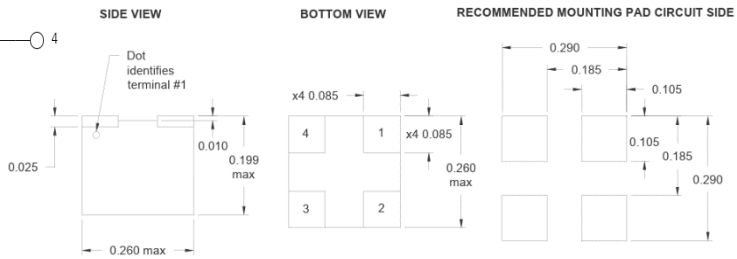


BACK-SIDE VIEW





IN	MM
0.290	7.37
0.260	6.60
0.199	5.05
0.185	4.70
0.105	2.67
0.085	2.16
0.025	0.64
0.010	0.25



SPECIFICATIONS

- **Inductance:** 0.08 µH to 100 µH (Series)
  0.02 µH to 25 µH (Parallel)
- **Standard Tolerance:** ±10%
- **Operating Temperature:** -55°C to +125°C
- **Storage Temperature:** -60°C to +130°C
- **Standard Termination Finish:** Tin-lead
- **Weight:** 35.4 gram, maximum

FEATURES

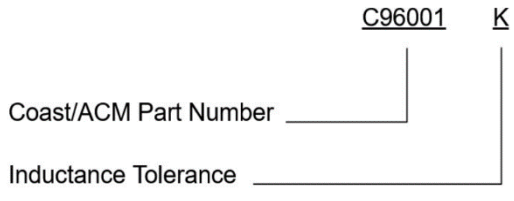
- Transfer Molded Package
- Marking: Laser or Ink
- Leadless device for minimum footprint
- Internal Welded Terminations
- Low EMI Radiation
- Low Thermal Expansion permits mounting on most substrate materials
- Tighter Tolerances available (additional charge)
- Tape and Reel Packaging available (additional charge)
  Full Reel Quantity (Small): 300 pieces
  Full Reel Quantity (Large): 1000 pieces
- Available for Military Application per r MIL-PRF-27/372A (see 96000F Series)
- Available for Space Application per MIL-STD-981 (see S96000F Series)

APPLICATIONS

Designed for optimal performance in commercial applications, these inductors ensure consistent electrical behavior, maintaining signal integrity and reducing interference.

Suitable for telecommunications, consumer electronics, and industrial automation, they offer both reliability and precision. Robust construction ensures longevity, positioning these inductors as a preferred choice for diverse commercial endeavors.

PART IDENTIFYING NUMBER



K: Inductance Tolerance
M: ±20% K: ±12% J: ±5%

Power Inductors – C96000F Series

C/ACM P/N	Series			Parallel		
	Inductance (µH) ±12 percent	Rated DC Current (mA)	DC Resistance Max (Ω)	Inductance (µH) ±12 percent	Rated DC Current (mA)	DC Resistance Max (Ω)
C96073	.08	3300	0.020	.020	6600	0.005
C96074	.14	2800	0.024	.035	5600	0.006
C96075	.22	2400	0.036	.055	4600	0.009
C96076	.44	1800	0.056	.110	3600	0.014
C96077	.56	1500	0.072	.140	3000	0.018
C96078	.60	2300	0.036	.150	4600	0.009
C96079	.86	1900	0.048	.215	3800	0.012
C96080	1.30	1900	0.048	.340	3800	0.012
C96081	1.86	1800	0.052	.465	3600	0.013
C96082	2.44	1700	0.060	.610	3400	0.015
C96083	3.46	1500	0.064	.865	3000	0.016
C96084	4.40	1200	0.080	1.10	2400	0.020
C96085	5.40	1000	0.120	1.35	2000	0.030
C96086	7.80	950	0.160	1.95	1900	0.040
C96087	10.60	850	0.240	2.65	1700	0.060
C96088	12.16	800	0.260	3.04	1600	0.065
C96089	13.80	750	0.280	3.45	1500	0.070
C96090	17.48	650	0.360	4.37	1300	0.090
C96091	19.52	600	0.400	4.88	1200	0.100
C96092	10.60	550	0.500	5.40	1100	0.125
C96093	26.20	500	0.560	6.55	1000	0.140
C96094	31.20	450	0.600	7.80	900	0.150
C96095	48.60	400	0.900	12.15	800	0.225
C96096	58.80	350	1.30	14.70	700	0.325
C96097	78.00	300	1.52	19.50	600	0.380
C96098	90.80	280	2.20	22.70	560	0.550
C96099	100.00	250	2.40	25	500	0.600