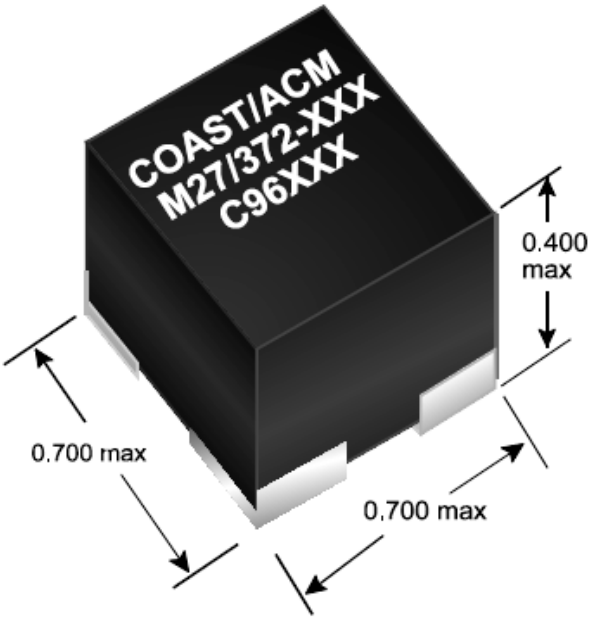
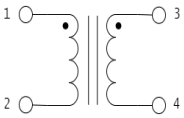
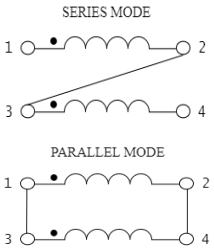
Power Inductors – C96000E Series



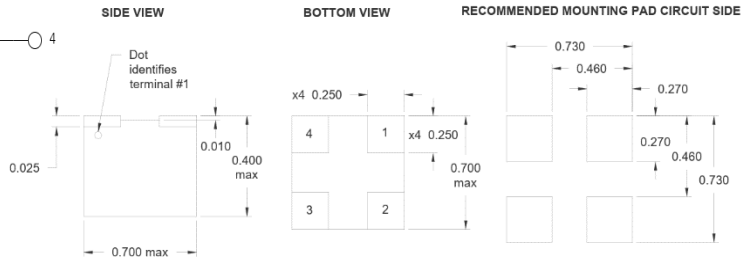


BACK-SIDE VIEW





IN	MM
0.730	18.54
0.700	17.78
0.460	11.68
0.400	10.16
0.270	6.86
0.250	6.35
0.025	0.64
0.010	0.25



SPECIFICATIONS

- **Inductance:** 11 µH to 10,000 µH (Series)
  2.75 µH to 2500 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: 150 pieces
- Available for Military Application per r MIL-PRF-27/372A (see 96000E Series)
- Available for Space Application per MIL-STD-981 (see S96000E 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

C96001 K

Coast/ACM Part Number

Inductance Tolerance

K: Inductance Tolerance

M: ±20% K: ±12% J: ±5%

Power Inductors – C96000E 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)
C96041	11	4800	0.024	2.76	9600	0.006
C96042	18	3700	0.036	4.50	7400	0.009
C96043	27	3000	0.052	6.75	6000	0.013
C96044	38	2500	0.076	9.50	5000	0.019
C96045	44	2400	0.084	11	4800	0.021
C96046	100	1600	0.20	25	3200	0.050
C96047	200	1100	0.46	50	2200	0.115
C96048	400	800	0.84	100	1600	0.210
C96049	500	710	1.16	125	1420	0.290
C96050	760	670	1.76	167.60	1140	0.440
C96051	1000	500	2.00	250	1000	0.500
C96052	2000	350	4.32	500	700	1.075
C96053	3000	290	6.64	750	580	1.660
C96054	4000	250	7.68	1000	500	1.920
C96055	7500	180	16.20	1875	360	4.050
C96056	10,000	150	18.80	2500	300	4.070
C96057	11	6000	0.020	2.75	12,000	0.005
C96058	18	4600	0.032	4.50	9200	0.008
C96059	27	3700	0.044	6.75	7400	0.011
C96060	38	3100	0.064	9.50	6200	0.016
C96061	44	3000	0.068	11	6000	0.017
C96062	100	2000	0.152	25	4000	0.038
C96063	200	1300	0.340	50	2600	0.085
C96064	400	890	0.600	100	1780	0.150
C96065	500	800	0.848	125	1600	0.212
C96066	750	700	1.32	187.50	1400	0.330
C96067	1000	600	1.52	250	1200	0.380
C96068	2000	430	3.40	500	860	0.850
C96069	3000	360	5.20	750	720	1.300
C96070	4000	310	6.08	1000	620	1.520
C96071	7500	220	13.20	1875	440	3.300
C96072	10,000	180	15.20	2500	360	3.800