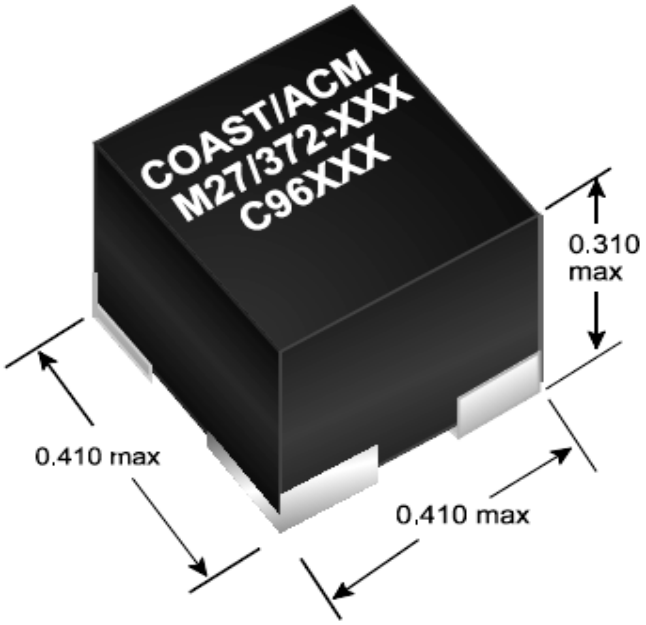
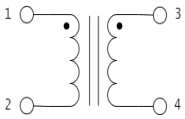
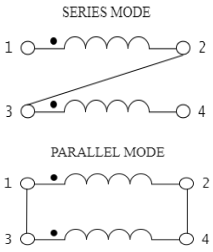
# Power Inductors – C96000C Series



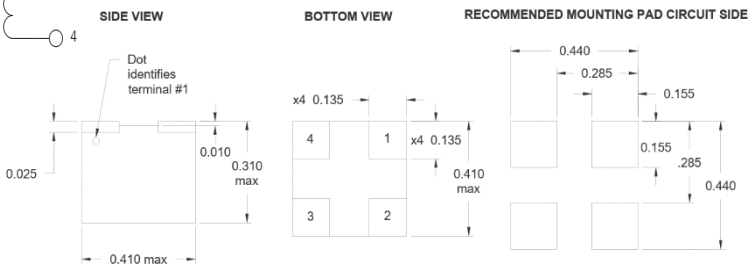



BACK-SIDE VIEW




| IN | MM |
|---|---|
| 0.440 | 11.18 |
| 0.410 | 10.41 |
| 0.310 | 7.87 |
| 0.285 | 7.24 |
| 0.155 | 3.94 |
| 0.135 | 3.43 |
| 0.025 | 0.64 |
| 0.010 | 0.25 |




## SPECIFICATIONS

- **Inductance:** 0.1 mH to 10 mH (Series)
  0.025 mH to 2.5 mH (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
- Tape and Reel Packaging available (additional charge)
  Full Reel Quantity (Small): 200 pieces
  Full Reel Quantity (Large): 650 pieces
- Available for Military Application per r MIL-PRF-27/372A (see 96000C Series)
- Available for Space Application per MIL-STD-981 (see S96000C 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: ±10%  J: ±5%*

# Power Inductors – C96000C Series

| C/ACM P/N | Series | | | Parallel | | | Power Rating (mW) |
|---|---|---|---|---|---|---|---|
| | Inductance (mH) ±10 percent | Rated DC Current (mA) | DC Resistance Max (Ω) | Inductance (mH) ±10 percent | Rated DC Current (mA) | DC Resistance Max (Ω) | |
| C96003 | 0.100 | 780 | 0.37 | 0.025 | 1560 | 0.093 | 300 |
| C96007 | 0.250 | 530 | 0.82 | 0.062 | 1060 | 0.205 | 300 |
| C96011 | 0.500 | 380 | 1.62 | 0.125 | 760 | 0.405 | 300 |
| C96015 | 0.750 | 310 | 2.50 | 0.187 | 620 | 0.625 | 300 |
| C96019 | 1.000 | 270 | 3.37 | 0.250 | 540 | 0.843 | 300 |
| C96023 | 2.000 | 190 | 6.75 | 0.500 | 380 | 1.690 | 300 |
| C96027 | 3.000 | 160 | 10.12 | 0.750 | 320 | 2.530 | 300 |
| C96031 | 5.000 | 120 | 16.87 | 1.250 | 240 | 4.220 | 300 |
| C96035 | 7.500 | 100 | 25.37 | 1.875 | 200 | 6.350 | 300 |
| C96039 | 10.000 | 80 | 33.75 | 2.500 | 160 | 8.440 | 300 |