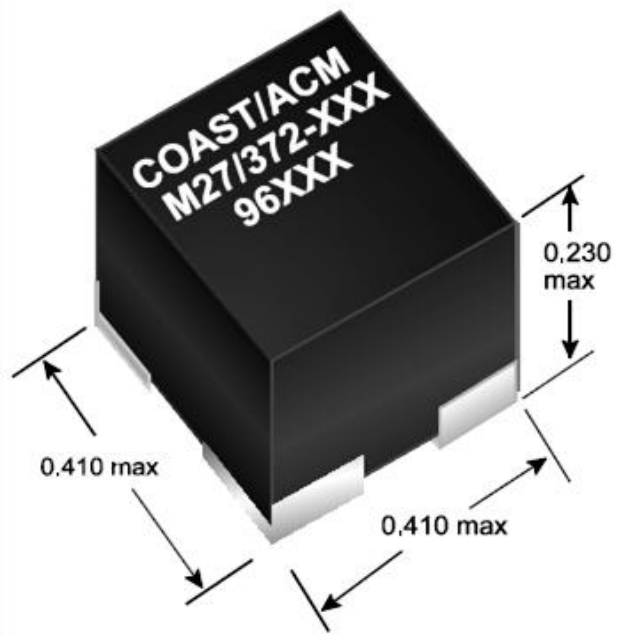
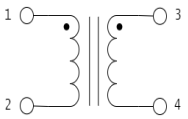
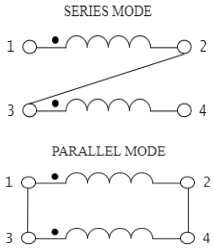
Power Inductors – 96000B Series





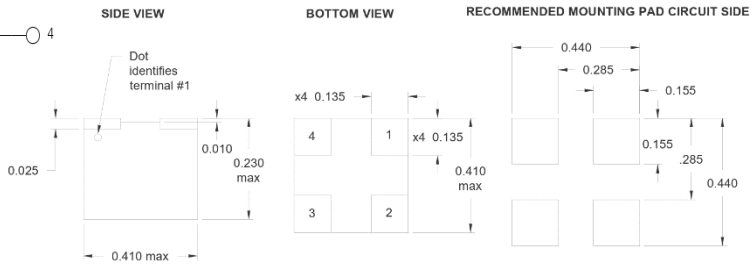
BACK-SIDE VIEW





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:** 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
- 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
- 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 S93000B Series)

APPLICATIONS

Designed to meet the requirements of MIL-PRF-27/372 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

96001 K

Coast/ACM Part Number

Inductance Tolerance

K: Inductance Tolerance

M: ±20% K: ±10% J: ±5%

Power Inductors – 96000B Series

Dash Number	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)	
MIL-PRF-27/372-002	96002	0.100	600	0.96	0.025	1200	0.240	250
MIL-PRF-27/372-006	96006	0.250	400	1.98	0.062	800	0.495	250
MIL-PRF-27/372-010	96010	0.500	300	3.35	0.125	600	0.838	250
MIL-PRF-27/372-014	96014	0.750	250	5.20	0.187	500	1.300	250
MIL-PRF-27/372-018	96018	1.000	200	6.90	0.250	400	1.725	250
MIL-PRF-27/372-022	96022	2.000	150	12.20	0.500	300	3.050	250
MIL-PRF-27/372-026	96026	3.000	120	18.30	0.750	240	4.580	250
MIL-PRF-27/372-030	96030	5.000	90	30.40	1.250	180	7.600	250
MIL-PRF-27/372-034	96034	7.500	70	46.00	1.875	140	11.500	250
MIL-PRF-27/372-038	96038	10.000	50	61.00	2.500	100	15.250	250