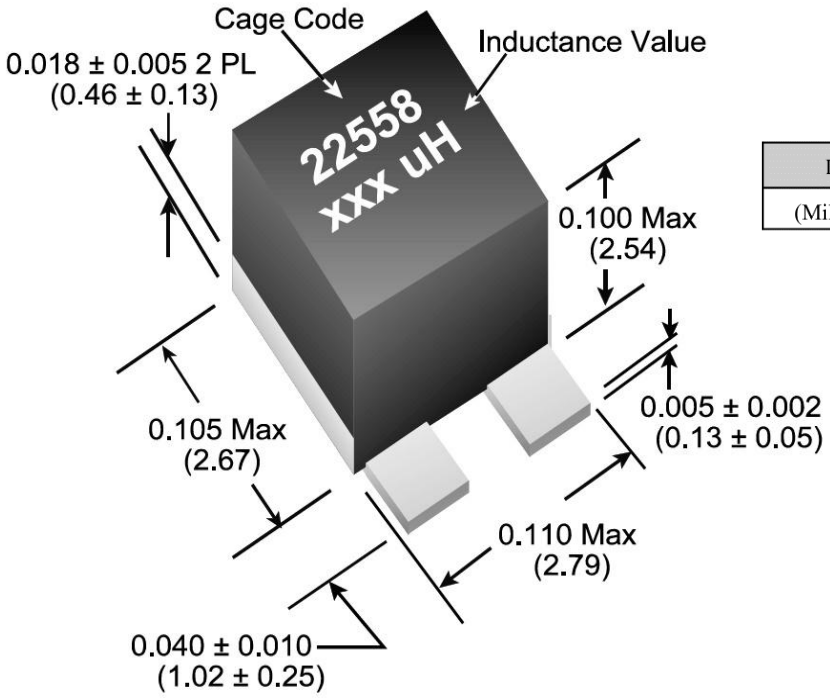
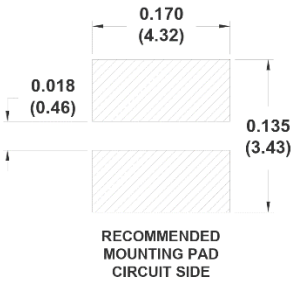
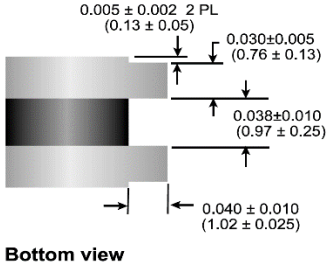
Fixed Chip Inductors – C6000 Series



Inches
(Millimeters)





SPECIFICATIONS

- **Inductance:** 12 µH to 1000 µH
- **Standard Tolerance:** ±10%
- **Operating Temperature:** -55°C to +125°C
- **Storage Temperature:** -60°C to +130°C
- **Standard Termination Finish:** Tin-lead
- **Weight:** 0.5 gram, maximum

FEATURES

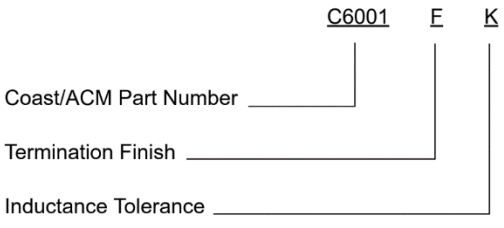
- Transfer Molded Package
- Laser Marking
- Leadless device for minimum footprint
- Internal Welded Terminations
- Low EMI Radiation
- Low Thermal Expansion permits mounting on most substrate materials
- Termination Finish Options available (additional charge)
- Tighter Tolerances available (additional charge)
- Tape and Reel Packaging Available (additional charge)
  - Full Reel Quantity (Tabs): 1800 pieces
  - Full Reel Quantity (No Tabs): 2000 pieces
- Available for Military Application per MIL-PRF-83446 (see 6000 Series)
- Available for Space Application per MIL-STD-981 (see S6000 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



F: Termination Finish

A: Gold *F: Tin-lead*

K: Inductance Tolerance

M: ±20% *K: ±10%* *J: ±5%* *H: ±3%* *G: ±2%* *F: ±1%*

Fixed Chip Inductors – C6000 Series

With Tabs C/ACM P/N	Without Tabs C/ACM P/N	Inductance (µH)	Test Frequency (MHz)	Q (min)	Q Typ	SRF (min) MHz	DCR (max) ohms	Current (max) mA
C6001	C6025	12.0 ±10%	2.50	42	50	26.0	2.0	110
C6002	C6026	15.0 ±10%	2.50	44	52	24.0	2.2	105
C6003	C6027	18.0 ±10%	2.50	44	52	21.0	2.8	100
C6004	C6028	22.0 ±10%	2.50	48	55	20.0	3.5	85
C6005	C6029	27.0 ±10%	2.50	49	57	19.0	4.3	75
C6006	C6030	33.0 ±10%	2.50	50	58	14.0	5.5	68
C6007	C6031	39.0 ±10%	2.50	52	60	12.0	6.5	61
C6008	C6032	47.0 ±10%	2.50	53	62	11.0	8.5	54
C6009	C6033	56.0 ±10%	2.50	56	64	10.0	12.0	46
C6010	C6034	68.0 ±10%	2.50	53	62	9.0	13.0	42
C6011	C6035	82.0 ±10%	2.50	49	57	8.0	15.0	40
C6012	C6036	100.0 ±10%	2.50	49	57	7.0	18.0	36
C6013	C6037	120.0 ±10%	0.79	37	45	6.0	21.0	34
C6014	C6038	150.0 ±10%	0.79	30	38	5.0	26.0	31
C6015	C6039	180.0 ±10%	0.79	30	38	5.0	28.0	29
C6016	C6040	220.0 ±10%	0.79	26	32	4.5	32.0	28
C6017	C6041	270.0 ±10%	0.79	26	32	4.0	36.0	26
C6018	C6042	330.0 ±10%	0.79	24	30	3.7	42.0	24
C6019	C6043	390.0 ±10%	0.79	24	30	3.5	46.0	23
C6020	C6044	470.0 ±10%	0.79	24	30	3.0	68.0	19
C6021	C6045	560.0 ±10%	0.79	22	28	2.8	77.0	18
C6022	C6046	680.0 ±10%	0.79	20	26	2.5	85.0	17
C6023	C6047	820.0 ±10%	0.79	16	22	2.0	100.0	16
C6024	C6048	1000.0 ±10%	0.79	12	18	1.5	120.0	15