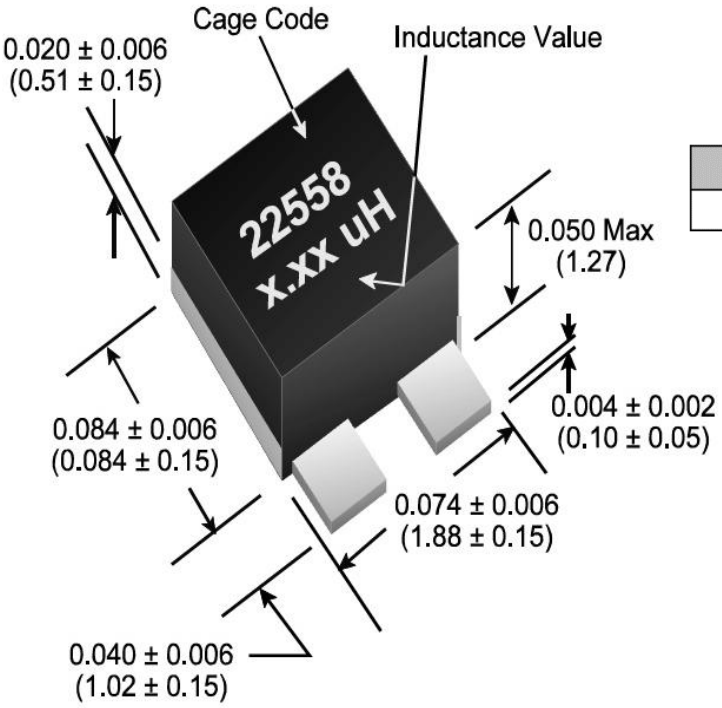
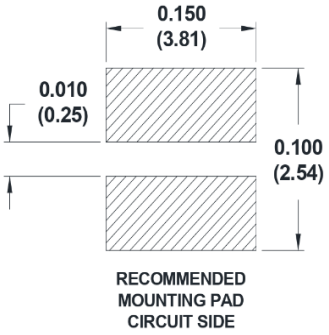
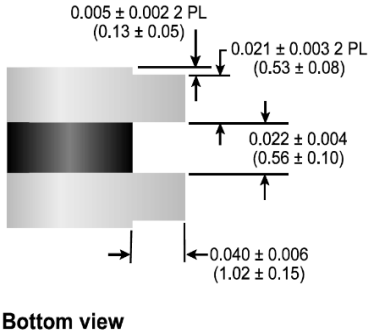
Fixed Chip Inductors – C6500 Series



Inches
(Millimeters)





SPECIFICATIONS

- **Inductance:** 0.005 µH to 10 µH
- **Standard Tolerance:** ±10%
- **Operating Temperature:** -55°C to +125°C
- **Storage Temperature:** -60°C to +130°C
- **Standard Termination Finish:** Tin-lead
- **Weight:** 0.57 gram, maximum

FEATURES

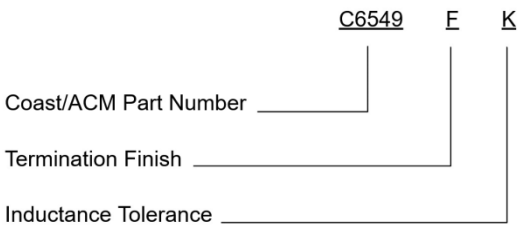
- Transfer Molded Package
- Laser Marking
- Leadless device for minimum footprint
- Internal Welded Terminations
- Low EMI Radiation
- Low Thermal Expansion permits mounting on most substrate materials
- Termination Finish Options available (additional charge)
- Tighter Tolerances available (additional charge)
- Tape and Reel Packaging Available (additional charge)
  - Full Reel Quantity (Tabs): 2600 pieces
  - Full Reel Quantity (No Tabs): 3000 pieces
- Available for Military Application per MIL-PRF-83446 (see 6500 Series)
- Available for Space Application per MIL-STD-981 (see S6500 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 – C6500 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
C6549	C6588	0.005 ±10%	200	32	40	1900	.10	750
C6550	C6589	0.008 ±10%	200	32	40	1800	.10	750
C6551	C6590	0.010 ±10%	150	32	40	1700	.10	750
C6552	C6591	0.012 ±10%	150	32	40	1500	.10	750
C6553	C6592	0.015 ±10%	150	29	37	1300	.10	750
C6554	C6593	0.018 ±10%	150	29	37	1100	.10	750
C6555	C6594	0.022 ±10%	100	35	43	900	.10	750
C6556	C6595	0.027 ±10%	100	34	42	900	.10	750
C6557	C6596	0.033 ±10%	100	32	41	800	.10	600
C6558	C6597	0.039 ±10%	100	32	41	750	.10	550
C6559	C6598	0.047 ±10%	100	32	41	750	.10	500
C6560	C6599	0.056 ±10%	100	32	41	700	.10	450
C6561	C6600	0.068 ±10%	100	32	41	700	.12	400
C6562	C6601	0.082 ±10%	100	32	40	700	.13	350
C6563	C6602	0.10 ±10%	50	32	40	600	.14	350
C6564	C6603	0.12 ±10%	50	32	40	500	.17	350
C6565	C6604	0.15 ±10%	50	32	40	500	.18	350
C6566	C6605	0.18 ±10%	50	32	40	450	.25	300
C6567	C6606	0.22 ±10%	50	32	40	400	.30	300
C6568	C6607	0.27 ±10%	50	30	39	330	.40	300
C6569	C6608	0.33 ±10%	50	30	39	270	.50	300
C6570	C6609	0.39 ±10%	50	24	31	250	.90	250
C6571	C6610	0.47 ±10%	25	24	31	200	.90	250
C6572	C6611	0.56 ±10%	25	24	31	180	1.10	250
C6573	C6612	0.68 ±10%	25	24	31	150	1.20	250
C6574	C6613	0.82 ±10%	25	24	31	130	1.40	250
C6575	C6614	1.0 ±10%	25	24	31	110	1.40	250
C6576	C6615	1.2 ±10%	7.9	21	28	110	1.50	200
C6577	C6616	1.5 ±10%	7.9	21	28	110	1.50	200
C6578	C6617	1.8 ±10%	7.9	21	28	100	1.60	200
C6579	C6618	2.2 ±10%	7.9	21	28	90	1.60	150
C6580	C6619	2.7 ±10%	7.9	21	28	80	1.60	150
C6581	C6620	3.3 ±10%	7.9	21	28	75	1.60	150
C6582	C6621	3.9 ±10%	7.9	21	28	70	2.90	100
C6583	C6622	4.7 ±10%	7.9	21	28	63	2.90	100
C6584	C6623	5.6 ±10%	7.9	21	28	60	3.00	100
C6585	C6624	6.8 ±10%	7.9	21	28	50	3.75	100
C6586	C6625	8.2 ±10%	7.9	21	28	40	4.50	100
C6587	C6626	10.0 ±10%	7.9	21	28	30	5.60	100