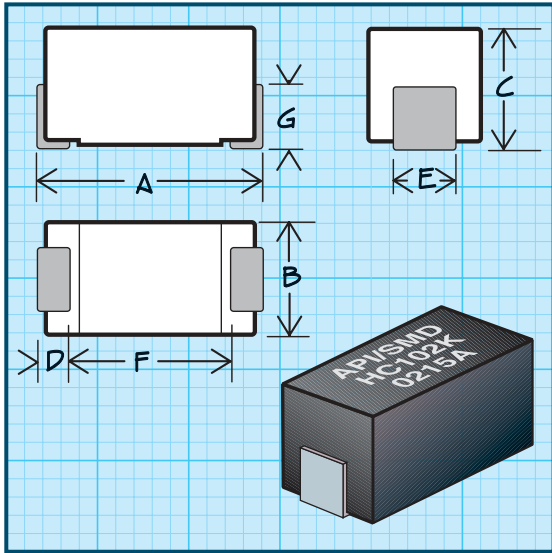


# Series 2512

## Surface Mount Power Inductors



### Physical Parameters

	Inches	Millimeters
A	0.235 to 0.255	5.97 to 6.48
B	0.085 to 0.105	2.16 to 2.67
C	0.090 to 0.110	2.29 to 2.79
D	0.060 to 0.080	1.52 to 2.03
E	0.035 to 0.055	0.89 to 1.40
F	0.100 (Ref. only)	2.54 (Ref. only)
G	0.058 (Ref. only)	1.47 (Ref. only)

Dimensions "A" and "C" are over terminals

**Operating Temperature Range** -55°C to +125°C

**Maximum Power Dissipation at 60°C** 0.56 W

**Core Material** Ferrite

**Note** Current rating is based on 60°C ambient and 125°C max. operating temperature. The Incremental Current is the current which causes a maximum change of inductance of 10%.

**Packaging** Tape & reel (12mm):  
7" reel, 750 pieces max.; 13" reel, 2700 pieces max.

**Made In the U.S.A. Patent Protected**

PART NUMBER	INDUCTANCE ( $\mu$ H) $\pm$ 10%	TEST FREQUENCY (MHz)	DC RESISTANCE MAXIMUM (OHMS)	CURRENT RATING MAXIMUM (mA)	INCREMENTAL CURRENT DC (mA)
<b>SERIES 2512 FERRITE CORE</b>					
2512-102K	1.0	7.9	0.15	1640	1230
2512-122K	1.2	7.9	0.21	1390	1040
2512-152K	1.5	7.9	0.27	1220	920
2512-182K	1.8	7.9	0.29	1180	890
2512-222K	2.2	7.9	0.40	1000	750
2512-272K	2.7	7.9	0.54	865	649
2512-332K	3.3	7.9	0.75	734	551
2512-392K	3.9	7.9	0.82	702	527
2512-472K	4.7	7.9	1.0	636	477
2512-562K	5.6	7.9	1.1	606	455
2512-682K	6.8	7.9	1.2	580	435
2512-822K	8.2	7.9	1.3	557	418
2512-103K	10.0	7.9	1.5	519	389
2512-123K	12.0	2.5	1.6	503	377
2512-153K	15.0	2.5	1.8	474	355
2512-183K	18.0	2.5	2.6	394	296
2512-223K	22.0	2.5	3.5	340	255
2512-273K	27.0	2.5	3.7	330	248
2512-333K	33.0	2.5	3.8	326	245
2512-393K	39.0	2.5	3.9	322	242
2512-473K	47.0	2.5	4.2	310	233
2512-563K	56.0	2.5	4.6	296	222
2512-683K	68.0	2.5	5.1	281	211
2512-823K	82.0	2.5	5.6	278	209
2512-104K	100.0	2.5	6.0	260	195
<b>Optional Tolerances: J = 5% H = 3% G = 2% F = 1%</b>					

POWER INDUCTORS