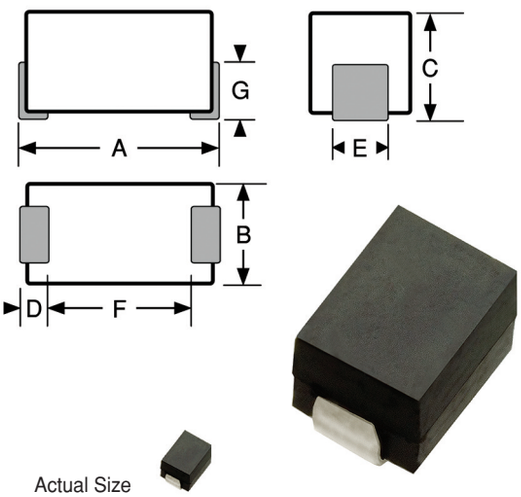
SERIES 2512R 2512

RoHS Compliant

Traditional First Quality

Surface Mount Power Inductors



Actual Size

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

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%.

Marking API/SMD; HC followed by the dash number with tolerance letter; date code (YYWWL). Note: An R before the date code indicates a RoHS component.
Example: 2512-102K
API/SMD
HC102K
0845A

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

Made In the U.S.A.

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

Optional Tolerances: J = 5% H = 3% G = 2% F = 1%

*Complete part # must include series # PLUS the dash #

For surface finish information, refer to www.delevanfinishes.com