

NEW!

Maxi Spring™ Surface Mount Inductors



Designed for higher current applications (up to 3.5 Amps), these surface mount Maxi Spring™ air wound coils provide inductance values up to 538 nH and exceptionally high Q factors, even at low frequencies.

They're packaged in a rigid, flat top package that makes them compatible with pick and place equipment. The leads are tinned for reliable soldering. And because the coil is locked in position, precise terminal spacing is guaranteed.

Designer's Kit C119 contains samples of all 5% tolerance parts. To order, contact Coilcraft or visit <http://order.coilcraft.com>.

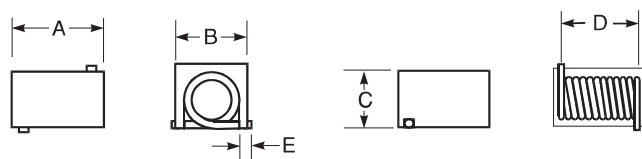
Specifications

Part Number ¹	Turns	Inductance ² (nH)	Percent Tolerance ³	Q ² Typ	Q ² Min	Test Freq. (MHz)	SRF ⁴ Min (MHz)	DCR ⁵ Max (mOhm)	I _{DC} ⁶ Max (A)
132-09SM	9	90	5,2	114	95	50	1140	15	3.5
132-10SM	10	111	5,2	104	87	50	1020	15	3.5
132-11SM	11	130	5,2	104	87	50	900	20	3.0
132-12SM	12	169	5,2	114	95	50	875	25	3.0
132-13SM	13	206	5,2	114	95	50	800	30	3.0
132-14SM	14	222	5,2	110	92	50	730	35	3.0
132-15SM	15	246	5,2	114	95	50	685	35	3.0
132-16SM	16	307	5,2	114	95	50	660	35	3.0
132-17SM	17	380	5,2	114	95	50	590	50	2.5
132-18SM	18	422	5,2	114	95	50	540	60	2.5
132-19SM	19	491	5,2	114	95	50	535	65	2.0
132-20SM	20	538	5,2	104	87	50	490	90	2.0

COILCRAFT ACCURATE
PRECISION REPEATABLE
DOC. 126 **TEST FIXTURES**

For environmental data see "Spring Inductors — Product Specifications" (Document 182)

1. When ordering, please add letter to specify inductance tolerance: **J**=5%, **G**=2%.
2. Inductance and Q tested on the HP4291A with the 16193 fixture and correlation.
3. Tolerances in bold are stocked for immediate shipment.
4. SRF tested on the HP8753D and the SMD-D test fixture.
5. DCR tested on the Cambridge Technology Model 510 Micro Ohmmeter.
6. For 15°C rise.
7. Operating temperature range -40°C to +125°C.
8. Electrical specifications at 25°C.

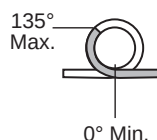


A max	B max	C max	D	E
.415 10,55	.250 6,35	.235 5,97	.314 ± .020 7,98 ± 0,51	.050 ± .015 1,27 ± 0,39

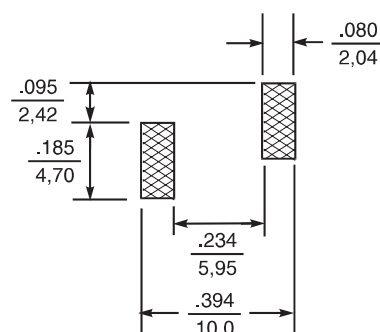
Parts/reel: 13" 800 Tape width: 16 mm

For packaging data see "Tape and Reel Specifications" (Document 173)

**Strip
Length**



Land Pattern



Coilcraft

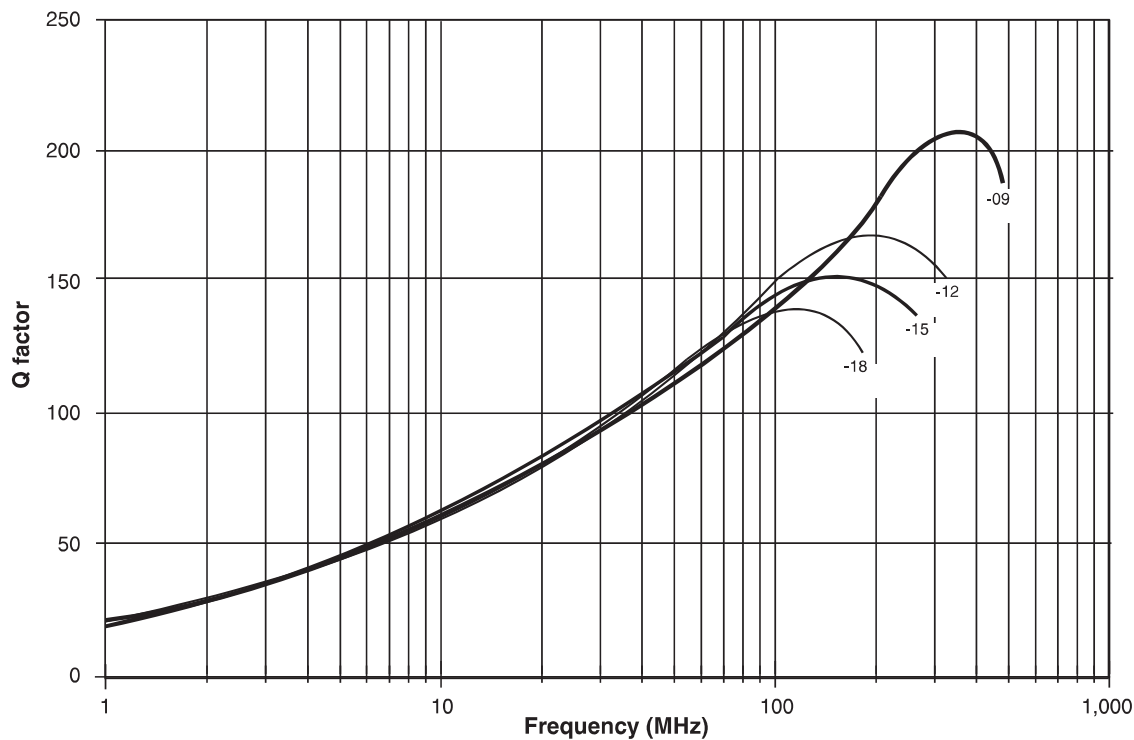
Specifications subject to change without notice. Document 185-1 Revised 8/26/99

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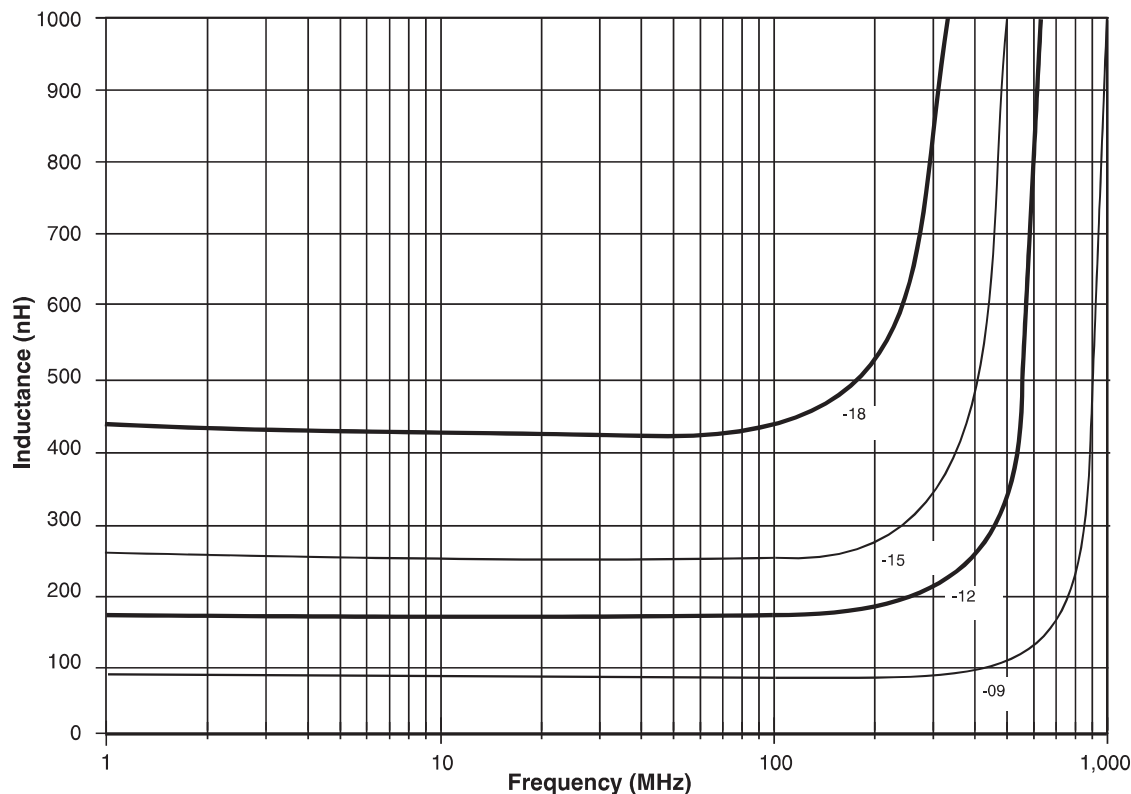
Maxi Spring™ Air Core Inductors

Typical Q vs Frequency

S-Parameter files
ON OUR WEB SITE OR CD
PSPICE models
SEE DOC 158



Typical L vs Frequency



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