

**Data Sheet for Q3-Series HF Coils**  
**Surface Mount and Thru-hole RoHS**  
**Very Low TC < 35ppm/°C Temp**  
**Constant**



**PRECISION, TEMPERATURE STABLE, RELIABLE**  
**MADE IN USA SINCE 1968**

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**Custom Precise Values With Higher Q Available Upon Request**

Catalog No	L nom uH	L range uH	Q @ L nom	F Test MHz	Fo @ L Nom MHz	DCR Ohms
Q3-.10uH	0.1	.085 - .115	95	25	650	<.1
Q3-.12uH	0.12	.10 - .14	102	25	580	<.1
Q3-.15uH	0.15	.135 - .165	102	25	520	<.1
Q3-.18uH	0.18	.14 - .23	105	25	480	<.1
Q3-.22uH	0.22	.20 - .24	110	25	400	<.1
Q3-.27uH	0.27	.24 - .35	110	25	380	<.1
Q3-.33uH	0.33	.27 - .45	110	25	365	<.1
Q3-.39uH	0.39	.34 - .46	105	25	300	<.1
Q3-.47uH	0.47	.39 - .54	105	25	270	<.1
Q3-.56uH	0.56	.42 - .66	105	25	250	<.1
Q3-.68uH	0.68	.56 - .78	110	25	220	<.1
Q3-.82uH	0.82	.62 - .94	110	25	200	<.1
Q3-1.0uH	1	.75 - 1.2	110	25	185	<.1
Q3-1.2uH	1.2	.98 - 1.4	98	7.9	160	<.1
Q3-1.5uH	1.5	1.2 - 1.8	105	7.9	135	<.1
Q3-1.8uH	1.8	1.3 - 2.1	102	7.9	145	0.1
Q3-10uH	10	8.8 - 12	108	7.9	47.5	0.7
Q3-2.2uH	2.2	1.8 - 2.6	102	7.9	125	0.14
Q3-2.7uH	2.7	2.3 - 3.1	111	7.9	105	0.18
Q3-3.3uH	3.3	2.6 - 3.8	104	7.9	95	0.2
Q3-3.9uH	3.9	3.0 - 4.6	100	7.9	80	0.25
Q3-4.7uH	4.7	3.5 - 6.0	95	7.9	70	0.35
Q3-270uH	2.7	220 - 320	80	7.9	65	4.5
Q3-5.6uH	5.6	4.5 - 6.2	102	7.9	60	0.4
Q3-6.8uH	6.8	5.6 - 8.2	110	7.9	55	0.45
Q3-8.2uH	8.2	7.0 - 9.2	112	7.9	48	0.7
Q3-12uH	12	10 - 14	106	2.5	40.5	0.5
Q3-15uH	15	13 - 17	106	2.5	40	0.6
Q3-18uH	18	14 - 24	105	2.5	35	0.6
Q3-22uH	22	17 - 26	126	2.5	29	0.8
Q3-27uH	27	22 - 32	117	2.5	24.5	0.9
Q3-33uH	33	27 - 38	122	2.5	23	1
Q3-39uH	39	32 - 45	114	2.5	21	1.1
Q3-47uH	47	37 - 57	118	2.5	19	1.5
Q3-56uH	56	45 - 65	106	2.5	16	1.8

For the most exacting tuning and filter applications:  
**Features:**  
 · Highest Q for its size without the use of ferrites  
 · Very low Temperature Constant (TC) 35ppm/°c  
 · Magnetic and electrostatic shielding  
 · Sealed in epoxy for moisture protection  
 · Very low distributed capacitance  
 · 73 stock values from 0.1 to 100,000 µH plus 9 nanohenery inductors  
 · Designed to meet Mil-C-15305 C, Grade 1  
 · RoHs Compliant  
 · No SVHC  
 · Aerospace Certified  
 · Quick Samples  
 · Filter Design Available

Q3-68uH	68	60 - 82	104	2.5	12.5	1.8
Q3-82uH	82	65 - 95	112	2.5	11.8	2
Q3-100uH	100	80 - 120	100	2.5	11	1.8
Q3-120uH	120	100 - 140	80	0.79	10.5	2.1
Q3-150uH	150	130 - 165	85	0.79	10.2	2.4
Q3-180uH	180	140 - 220	80	0.79	8.5	3.8
Q3-220uH	220	180 - 245	80	0.79	6.5	4.3
Q3-330uH	330	280 - 380	80	0.79	5.7	5.2
Q3-390uH	390	330 - 450	80	0.79	5.3	6.2
Q3-470uH	470	390 - 520	80	0.79	4.8	7
Q3-560uH	560	460 - 680	80	0.79	4.3	10
Q3-680uH	680	545 - 810	80	0.79	3.8	11
Q3-820uH	820	660 - 980	80	0.79	3.6	12
Q3-1000uH	1000	800 - 1200	80	0.79	3.2	14