



MINI-INDUCTORS HIGH "Q" FLAT COILS AIFC1008 Series

Part No	Inductance μ H	Frequency	Min.Q	Max.RDC (Ohms)	Saturation Current DC Amps	Suggested Current Rating Amps
AIFC1008-1R0K	1.0	7.9 Mhz	37	0.010	7.0	2.25
AIFC1008-1R2K	1.2	7.9 Mhz	39	0.012	6.0	1.78
AIFC1008-1R5K	1.5	7.9 Mhz	33	0.014	5.0	1.42
AIFC1008-1R8K	1.8	7.9 Mhz	37	0.020	4.8	1.12
AIFC1008-2R2K	2.2	7.9 Mhz	38	0.025	4.4	0.88
AIFC1008-2R7K	2.7	7.9 Mhz	43	0.028	4.0	0.88
AIFC1008-3R3K	3.3	7.9 Mhz	35	0.036	3.7	0.70
AIFC1008-3R9K	3.9	7.9 Mhz	37	0.050	3.4	0.55
AIFC1008-4R7K	4.7	7.9 Mhz	37	0.053	3.2	0.55
AIFC1008-5R6K	5.6	7.9 Mhz	35	0.092	2.8	0.35
AIFC1008-6R8K	6.8	7.9 Mhz	29	0.113	2.6	0.35
AIFC1008-8R2K	8.2	7.9 Mhz	32	0.116	2.2	0.35
AIFC1008-100K	10	7.9 Mhz	31	0.120	2.1	0.35
AIFC1008-120K	12	2.5 Mhz	55	0.140	2.0	0.35
AIFC1008-150K	15	2.5 Mhz	51	0.158	1.6	0.35
AIFC1008-180K	18	2.5 Mhz	46	0.180	1.5	0.35
AIFC1008-220K	22	2.5 Mhz	51	0.230	1.4	0.28
AIFC1008-270K	27	2.5 Mhz	52	0.265	1.3	0.28
AIFC1008-330K	33	2.5 Mhz	47	0.346	1.2	0.22
AIFC1008-390K	39	2.5 Mhz	46	0.371	1.1	0.22
AIFC1008-470K	47	2.5 Mhz	45	0.502	1.03	0.175
AIFC1008-560K	56	2.5 Mhz	45	0.687	0.95	0.136
AIFC1008-680K	68	2.5 Mhz	46	0.888	0.90	0.108
AIFC1008-820K	82	2.5 Mhz	53	1.196	0.85	0.087
AIFC1008-101K	100	790 Khz	39	1.495	0.80	0.087
AIFC1008-121K	120	790 Khz	75	1.725	0.65	0.087
AIFC1008-151K	150	790 Khz	60	1.955	0.60	0.087
AIFC1008-181K	180	790 Khz	75	2.070	0.56	0.087
AIFC1008-221K	220	790 Khz	63	2.185	0.49	0.087
AIFC1008-271K	270	790 Khz	68	2.530	0.45	0.087
AIFC1008-331K	330	790 Khz	64	3.335	0.41	0.070
AIFC1008-391K	390	790 Khz	60	3.450	0.39	0.070
AIFC1008-471K	470	790 Khz	70	5.290	0.35	0.056
AIFC1008-561K	560	790 Khz	68	5.405	0.32	0.056
AIFC1008-681K	680	790 Khz	64	5.930	0.29	0.056
AIFC1008-821K	820	790 Khz	60	6.325	0.27	0.056
AIFC1008-102K	1000	790 Khz	40	7.130	0.25	0.056
AIFC1008-122K	1200	250 Khz	70	10.005	0.21	0.042
AIFC1008-152K	1500	250 Khz	72	14.260	0.19	0.033
AIFC1008-182K	1800	250 Khz	72	15.765	0.17	0.033
AIFC1008-222K	2200	250 Khz	72	17.595	0.15	0.033
AIFC1008-272K	2700	250 Khz	72	19.320	0.14	0.033
AIFC1008-332K	3300	250 Khz	72	21.735	0.13	0.033
AIFC1008-392K	3900	250 Khz	70	26.000	0.12	0.027
AIFC1008-472K	4700	250 Khz	63	29.900	0.11	0.027

The AIFC1008 is an economical inductor with a unique flat coil configuration that makes it ideally suited for use in high density printed circuit board assemblies. Twice the inductance and Q values are obtainable with the flat coil configuration than is possible with axial lead inductors occupying the same space. The flat coils have a wide range of inductance and high Q values so they can effectively be used at radio as well as audio frequencies.

SPECIFICATIONS:

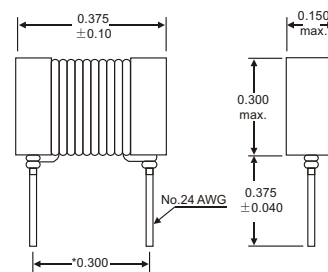
Operating ambient temperature:

-55°C to +130°C Weight: 1 gram maximum

Tolerance: 10% all values 10 μ H to 4700 μ H
20% all values under 10 μ H

Inductance measured on Q meter

PRODUCT DIMENSIONS



*Easily Formable To

ALL DIMENSIONS IN INCHES

INDUCTANCE	Q METER FREQUENCY
1.0-10 μ H	7.90 Mhz
10-100 μ H	2.50 Mhz
0.1- μ H	790 Mhz
1.0-4.7 μ H	250 Mhz

NOTES:

1. $\pm 10\%$ Standard Tolerance. Values Below are $\pm 20\%$
3. Nonstandard Values Available Upon Request
5. Height Dimension Shown Without Solder Joint or Coatings

2. Saturation Current Lowers Inductance 5%
4. Encapsulation Available