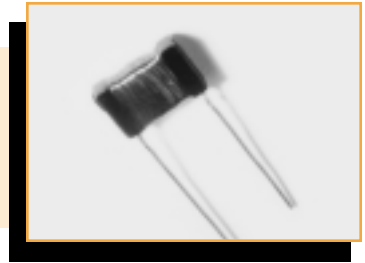


THROUGH-HOLE RADIAL FLAT COILS AIFC-01 SERIES



FEATURES:

- Wire-wound Construction
- Narrow Design for Densely Populated Boards
- Wide Range of Inductance Values
- Excellent Q Values
- High Reliability

OPTIONS:

- Bulk Packaging is Standard
- Tolerance: 10% is Standard, Tighter Tolerances Available

COMMON APPLICATIONS:

- Televisions
- Audio Equipment
- Amplifiers
- DC/DC Convertors
- Noise Filtering

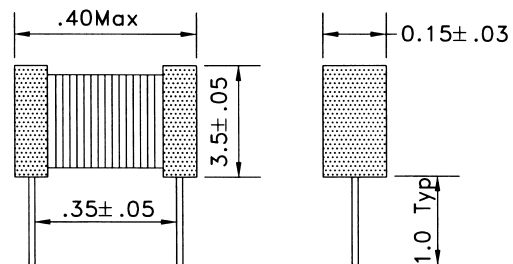
STANDARD SPECIFICATIONS

Part Number	L (μH)	Tol %	Q Min	RDC Ω Max	Test Freq MHz	IDC Max A	Part Number	L (μH)	Tol %	Q Min	RDC Ω Max	Test Freq MHz	IDC Max A
AIFC-01 Series							AIFC-01 Series						
AIFC-01-1R0K	1.0	±10	85	.015	7.9	7.0	AIFC-01-101K	100	±10	80	1.60	.79	.70
AIFC-01-1R2K	1.2	±10	39	.012	7.9	6.0	AIFC-01-121K	120	±10	70	1.72	.79	.65
AIFC-01-1R5K	1.5	±10	33	.014	7.9	5.0	AIFC-01-151K	150	±10	70	1.85	.79	.60
AIFC-01-1R8K	1.8	±10	37	.020	7.9	4.8	AIFC-01-181K	180	±10	70	2.07	.79	.58
AIFC-01-2R2K	2.2	±10	38	.025	7.9	4.4	AIFC-01-221K	220	±10	50	2.10	.79	.49
AIFC-01-2R5K	2.5	±10	40	.030	7.9	4.1	AIFC-01-251K	250	±10	40	2.70	.79	.49
AIFC-01-2R7K	2.7	±10	43	.028	7.9	4.0	AIFC-01-271K	270	±10	50	2.53	.79	.45
AIFC-01-3R3K	3.3	±10	35	.036	7.9	3.7	AIFC-01-331K	330	±10	50	3.33	.79	.41
AIFC-01-3R9K	3.9	±10	37	.028	7.9	3.4	AIFC-01-391K	390	±10	45	3.45	.79	.39
AIFC-02-4R7K	4.7	±10	37	.053	7.9	3.2	AIFC-01-471K	470	±10	40	5.29	.79	.35
AIFC-01-5R0K	5.0	±10	40	.080	7.9	2.9	AIFC-01-501K	500	±10	35	3.30	.79	.34
AIFC-01-5R6K	5.6	±10	38	.092	7.9	2.8	AIFC-01-561K	560	±10	40	5.40	.79	.32
AIFC-01-6R8K	6.8	±10	29	.113	7.9	2.6	AIFC-01-681K	680	±10	45	5.93	.79	.29
AIFC-01-7R6K	7.6	±10	30	.110	7.9	2.5	AIFC-01-751K	750	±10	30	4.20	.79	.28
AIFC-01-8R2K	8.2	±10	32	.116	7.9	2.2	AIFC-01-821K	820	±10	40	6.32	.79	.27
AIFC-01-100K	10	±10	80	.190	7.9	2.1	AIFC-01-102K	1000	±10	70	8.60	.079	.21
AIFC-01-120K	12	±10	40	.140	2.5	2.0	AIFC-01-122K	1200	±10	70	10.0	.079	.21
AIFC-01-150K	15	±10	40	.158	2.5	1.6	AIFC-01-152K	1500	±10	62	14.2	.079	.19
AIFC-01-180K	18	±10	40	.180	2.5	1.6	AIFC-01-182K	1800	±10	62	15.7	.079	.17
AIFC-01-220K	22	±10	40	.230	2.5	1.4	AIFC-01-222K	2200	±10	60	17.7	.079	.15
AIFC-01-250K	25	±10	50	.500	2.5	1.3	AIFC-01-252K	2500	±10	60	18.0	.079	.14
AIFC-01-270K	27	±10	50	.285	2.5	1.3	AIFC-01-272K	2700	±10	60	19.1	.079	.14
AIFC-01-330K	33	±10	45	.346	2.5	1.2	AIFC-01-332K	3300	±10	50	21.7	.079	.13
AIFC-01-390K	39	±10	45	.371	2.5	1.1	AIFC-01-392K	3900	±10	50	26.0	.079	.12
AIFC-01-470K	47	±10	45	.502	2.5	1.0	AIFC-01-472K	4700	±10	50	28.9	.079	.11
AIFC-01-500K	50	±10	40	1.10	2.5	1.0	AIFC-01-502K	5000	±10	45	31.0	.079	.10
AIFC-01-560K	56	±10	40	.687	2.5	.95	AIFC-01-602K	6000	±10	35	31.0	.079	.10
AIFC-01-680K	68	±10	40	.808	2.5	.90	AIFC-01-752K	7500	±10	25	50.0	.079	.08
AIFC-01-750K	75	±10	40	1.20	2.5	.86	AIFC-01-103K	10000	±10	25	70.0	.079	.07
AIFC-01-820K	82	±10	50	1.19	2.5	.86							

TECHNICAL INFORMATION:

- Testing: (Equivalent acceptable)
Inductance: HP-4342A
Q: HP-4342A
RDC: QuadTech 1880 Milliohmeter
- IDC Max: Based on current flow temperature rise of 20°C max at 80°C ambient temperature
- Temperature range: -55°C to +105°C
- Marking: EIA standard color code

PHYSICAL CHARACTERISTICS



Note: All specifications subject to change without notice.

Dimensions: Inches



29 Journey • Aliso Viejo, CA 92656 • USA
(949) 448-7070 • FAX: (949) 448-8484
E-MAIL: abinfo@abracon.com • INTERNET ADDRESS: www.abracon.com

