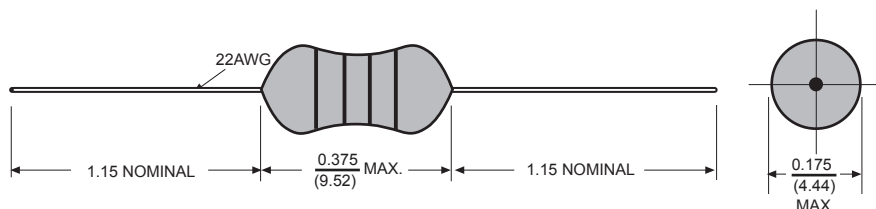


AC50 Axial Coated Inductors



Dimensions: $\frac{\text{Inches}}{(\text{mm})}$



Features

- Incorporation of a special lead wire configuration eliminating defects inherent in existing Axial leaded products such as open coil.
- High Current Capacity
- Expanded operating temp range
- Low DC Resistance
- Available on tape and Reel or Ammo Pack for Auto placement.

Electrical

Inductance Range: 1.0 μ H to 10,000 μ H

Tolerance: 10% over entire range

Available in tighter tolerances

Test Frequency: as noted in table

Operating Temp: -55°C ~ +125°C

Current Rating: Based on a 10% drop in L from initial value.

Part temperature should not exceed 125°C

Test Equipment

(L) & (Q): HP 4342A Q meter or equivalent

DCR: CH301 Current Source and DCR Meter

SRF: HP4191A

IDC: CH301 Current Source and DCR Meter

Physical

Packaging: 5000 pieces per 13" Tape and reel
3000 pieces per Ammo Pack

Marking: 4 Band Color Code

For Tape and Reel packaging please add "-TR" to the part number.

Allied Part Number	Inductance (μ H)	Tolerance (%)	Q Min.	Test Freq. (MHz)	SRF (MHz)	DCR Max. (Ω)	Rated Current (mA)
AC50-1R0K-RC	1.0	10	47	7.9	140	0.07	1900
AC50-1R2K-RC	1.2	10	46	7.9	130	0.093	1600
AC50-1R5K-RC	1.5	10	45	7.9	115	0.12	1300
AC50-1R8K-RC	1.8	10	43	7.9	105	0.14	1200
AC50-2R2K-RC	2.2	10	45	7.9	100	0.19	1100
AC50-2R7K-RC	2.7	10	46	7.9	92	0.28	950
AC50-3R3K-RC	3.3	10	44	7.9	85	0.35	800
AC50-3R9K-RC	3.9	10	44	7.9	75	0.40	750
AC50-4R7K-RC	4.7	10	44	7.9	70	0.55	650
AC50-5R6K-RC	5.6	10	47	7.9	65	0.72	550
AC50-6R8K-RC	6.8	10	50	7.9	55	1.02	500
AC50-8R2K-RC	8.2	10	50	7.9	50	1.32	475
AC50-100K-RC	10	10	49	7.9	46	1.62	450
AC50-120K-RC	12	10	55	2.5	44	2.00	400
AC50-150K-RC	15	10	44	2.5	49	0.80	620
AC50-180K-RC	18	10	45	2.5	45	0.89	610
AC50-220K-RC	22	10	46	2.5	40	0.96	600
AC50-270K-RC	27	10	49	2.5	38	1.19	500
AC50-330K-RC	33	10	45	2.5	34	1.37	490
AC50-390K-RC	39	10	53	2.5	29	1.93	410
AC50-470K-RC	47	10	52	2.5	27	2.11	400
AC50-560K-RC	56	10	49	2.5	25	2.23	380
AC50-680K-RC	68	10	51	2.5	21	2.70	370
AC50-820K-RC	82	10	45	2.5	10.5	2.44	360
AC50-100K-RC	100	10	45	2.5	10	3.12	325
AC50-121K-RC	120	10	57	.79	9.7	3.60	290
AC50-151K-RC	150	10	56	.79	8.5	4.10	275
AC50-181K-RC	180	10	60	.79	8.0	4.40	260
AC50-221K-RC	220	10	58	.79	7.5	5.00	250
AC50-271K-RC	270	10	60	.79	7.0	5.80	240
AC50-331K-RC	330	10	54	.79	6.5	6.40	225
AC50-391K-RC	390	10	67	.79	6.2	7.40	200
AC50-471K-RC	470	10	60	.79	5.7	9.50	180
AC50-561K-RC	560	10	60	.79	4.7	10.5	174
AC50-681K-RC	680	10	60	.79	4.5	11.8	168
AC50-821K-RC	820	10	57	.79	4.2	13.0	152
AC50-102K-RC	1000	10	65	.79	3.8	17.5	135
AC50-122K-RC	1200	10	45	.25	1.5	22.1	115
AC50-152K-RC	1500	10	49	.25	1.2	26.5	110
AC50-182K-RC	1800	10	47	.25	1.0	29.9	105
AC50-222K-RC	2200	10	50	.25	0.97	33.8	99
AC50-272K-RC	2700	10	47	.25	0.92	47.3	83
AC50-332K-RC	3300	10	43	.25	0.84	53.0	80
AC50-392K-RC	3900	10	43	.25	0.80	73.8	67
AC50-472K-RC	4700	10	44	.25	0.74	81.6	63
AC50-562K-RC	5600	10	45	.25	0.73	98.9	56
AC50-682K-RC	6800	10	43	.25	0.66	111	54
AC50-822K-RC	8200	10	42	.25	0.54	119	52
AC50-103K-RC	10000	10	49	.25	0.47	137	49

All specifications subject to change without notice.