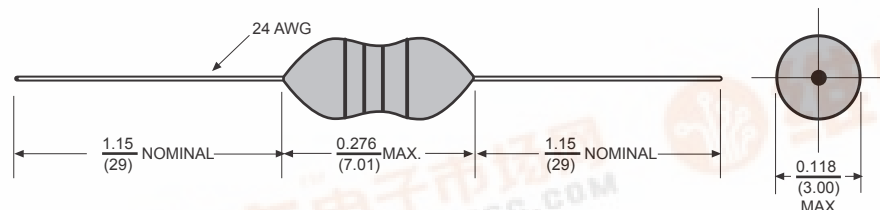


AC20 Axial Coated Inductors

**Features**

- Incorporation of a special lead wire structure entirely eliminates defects inherent in existing axial lead type products and prevents lead breakage.
- The special magnetic core structure permits the product to have reduced size, high "Q" and self resonant frequencies.
- Treated with epoxy resin coating for humidity resistance to ensure longer life.
- Heat resistant adhesives and special structural design for effective open circuit measurement.

Electrical

Inductance Range: .027 μ h to 1000 μ h.

Tolerance: 10% over entire range.

Tighter tolerances available

Temp. Rise: 20°C.

Ambient Temp.: 80°C.

Rated Temp Range: -20 to 100°C.

Dielectric Withstanding Voltage: 250

Volts R.M.S.

Rated Current: Based on temp rise.

Mechanical

Terminal Tensile Strength: 1.0 kg min.

Terminal Bending Strength: .3 kg min.

Physical

Marking (on reel): Manufacturers name, Part number, Quantity,

Marking: 4 band color code.

Packaging: 5000 pieces per reel.

Allied Part Number	Inductance (μ h)	Tolerance (%)	Q Min.	Test Freq. (MHz)	SRF Min. (MHz)	DCR Max. (Ω)	Rated Current (mA)
AC20-R027M-RC	0.027	20	40	50.0	500	0.02	520
AC20-R033M-RC	0.033	20	40	50.0	490	0.02	500
AC20-R039M-RC	0.039	20	40	50.0	480	0.02	500
AC20-R047M-RC	0.047	20	40	50.0	480	0.03	500
AC20-R056M-RC	0.056	20	40	50.0	470	0.045	460
AC20-R068M-RC	0.068	20	40	50.0	470	0.05	460
AC20-R082M-RC	0.082	20	40	50.0	470	0.05	460
AC20-R10K-RC	.10	10	40	25.2	470	0.08	700
AC20-R12K-RC	.12	10	40	25.2	450	0.08	700
AC20-R15K-RC	.15	10	40	25.2	430	0.09	700
AC20-R18K-RC	.18	10	40	25.2	410	0.10	700
AC20-R22K-RC	.22	10	40	25.2	380	0.12	700
AC20-R27K-RC	.27	10	40	25.2	360	0.15	680
AC20-R33K-RC	.33	10	40	25.2	350	0.16	680
AC20-R39K-RC	.39	10	40	25.2	320	0.18	680
AC20-R47K-RC	.47	10	40	25.2	300	0.26	650
AC20-R56K-RC	.56	10	40	25.2	280	0.38	500
AC20-R68K-RC	.68	10	40	25.2	250	0.42	500
AC20-R82K-RC	.82	10	40	25.2	200	0.55	450
AC20-1R0K-RC	1.0	10	40	25.2	180	0.12	700
AC20-1R2K-RC	1.2	10	40	7.96	165	0.18	700
AC20-1R5K-RC	1.5	10	45	7.96	150	0.20	700
AC20-1R8K-RC	1.8	10	50	7.96	125	0.23	655
AC20-2R2K-RC	2.2	10	50	7.96	85	0.25	630
AC20-2R7K-RC	2.7	10	50	7.96	80	0.28	595
AC20-3R3K-RC	3.3	10	50	7.96	75	0.30	575
AC20-3R9K-RC	3.9	10	45	7.96	65	0.32	555
AC20-4R7K-RC	4.7	10	45	7.96	45	0.35	530
AC20-5R6K-RC	5.6	10	45	7.96	36	0.40	500
AC20-6R8K-RC	6.8	10	40	7.96	30	0.45	470
AC20-8R2K-RC	8.2	10	40	7.96	28	0.55	425
AC20-100K-RC	10	10	40	7.96	22	0.72	370
AC20-120K-RC	12	10	45	2.52	20	0.80	350
AC20-150K-RC	15	10	45	2.52	16	0.88	335
AC20-180K-RC	18	10	50	2.52	15	1.00	315
AC20-220K-RC	22	10	50	2.52	13	1.20	285
AC20-270K-RC	27	10	50	2.52	11	1.35	270
AC20-330K-RC	33	10	50	2.52	10	1.50	255
AC20-390K-RC	39	10	50	2.52	9.5	1.70	240
AC20-470K-RC	47	10	60	2.52	8.5	2.30	205
AC20-560K-RC	56	10	60	2.52	7.5	2.60	195
AC20-680K-RC	68	10	60	2.52	6.5	3.20	185
AC20-820K-RC	82	10	60	2.52	6.0	3.50	175
AC20-101K-RC	100	10	60	2.52	5.5	3.80	165
AC20-121K-RC	120	10	60	.796	5.4	3.80	160
AC20-151K-RC	150	10	60	.796	4.75	4.40	150
AC20-181K-RC	180	10	60	.796	4.35	5.00	140
AC20-221K-RC	220	10	60	.796	4.0	5.70	130
AC20-271K-RC	270	10	60	.796	3.7	6.50	120
AC20-331K-RC	330	10	60	.796	3.4	9.50	100
AC20-391K-RC	390	10	60	.796	2.8	10.5	95
AC20-471K-RC	470	10	60	.796	2.4	12.5	90
AC20-561K-RC	560	10	60	.796	2.2	14.5	85
AC20-681K-RC	680	10	60	.796	2.0	18.0	75
AC20-821K-RC	820	10	60	.796	1.6	23.7	65
AC20-102K-RC	1000	10	60	.796	1.15	30	60

All specifications subject to change without notice.