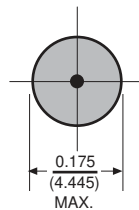
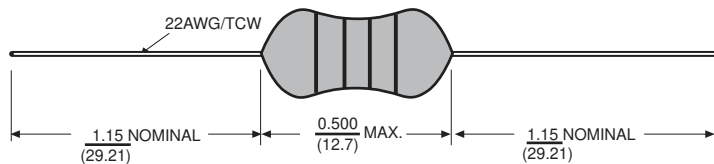


# AE80 Series Axial Epoxy Inductors



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



## Features

- High Current Capacity
- Expanded operating temp range
- Low DC Resistance
- Available on Tape and Reel, Ammo Pack, or Bulk.

## Electrical

**Inductance Range:** 0.7 $\mu$ h to 10,000 $\mu$ h

**Tolerance:** K=10%, M=20%

Available in tighter tolerances.

**Test Frequency for (L):**

0.7 $\mu$ h @ 1Mhz

1.0 $\mu$ h to 1000 $\mu$ h @ 1Khz

1200 $\mu$ h to 10000 $\mu$ h @ 1Khz

**Operating Temp:** -55°C ~ +125°C

**Current Rating:** Based on a 40% temp rise at 85°C ambient.

**Incremental Current:** The current at which the inductance will decrease by a maximum of 5% from its initial value with no current.

## Test Equipment

**(L):** HP 4284A LCR Meter or equivalent

**(Q):** HP4342 Q Meter

**DCR:** HP4263B Current Source and DCR Meter

**IDC:** 11021 Current Source and DCR Meter

## Physical

**Packaging:** 3K per Tape and Reel, Ammo Pack, Bulk 500/bag.

**Marking:** 4 Band EIA Color Code

Allied Part Number	Inductance ( $\approx$ h)	Q Min	Q Test Freq Mhz	DCR (Ohms) Max	Current Rating (A) Max	Incremental Current (A)
AE80-R70M-RC	0.7	20	7.9	0.010	7.00	7.0
AE80-1R0K-RC	1.0	20	7.9	0.013	5.50	4.1
AE80-1R2K-RC	1.2	20	7.9	0.018	4.69	3.8
AE80-1R5K-RC	1.5	20	7.9	0.020	4.45	3.5
AE80-1R8K-RC	1.8	20	7.9	0.021	4.34	3.2
AE80-2R2K-RC	2.2	20	7.9	0.029	3.70	2.8
AE80-2R7K-RC	2.7	20	7.9	0.034	3.41	2.5
AE80-3R3K-RC	3.3	20	7.9	0.038	3.23	2.4
AE80-3R9K-RC	3.9	20	7.9	0.042	3.07	2.2
AE80-4R7K-RC	4.7	20	7.9	0.047	2.90	2.0
AE80-5R6K-RC	5.6	20	7.9	0.051	2.79	1.8
AE80-6R8K-RC	6.8	20	7.9	0.058	2.61	1.7
AE80-8R2K-RC	8.2	20	7.9	0.063	2.51	1.5
AE80-100K-RC	10	25	2.5	0.071	2.36	1.4
AE80-120K-RC	12	25	2.5	0.084	2.24	1.3
AE80-150K-RC	15	25	2.5	0.089	2.11	1.2
AE80-180K-RC	18	25	2.5	0.119	1.82	1.1
AE80-220K-RC	22	25	2.5	0.152	1.61	1.02
AE80-270K-RC	27	25	2.5	0.179	1.48	0.85
AE80-330K-RC	33	25	2.5	0.222	1.33	0.88
AE80-390K-RC	39	25	2.5	0.315	1.12	0.80
AE80-470K-RC	47	25	2.5	0.362	1.04	0.74
AE80-560K-RC	56	25	2.5	0.397	1.00	0.68
AE80-680K-RC	68	25	2.5	0.418	0.97	0.62
AE80-820K-RC	82	25	2.5	0.604	0.81	0.56
AE90-101K-RC	100	35	0.79	0.672	0.76	0.50
AE80-121K-RC	120	35	0.79	0.735	0.73	0.45
AE80-151K-RC	150	35	0.79	0.998	0.63	0.40
AE80-181K-RC	180	35	0.79	1.370	0.53	0.35
AE80-221K-RC	220	35	0.79	1.580	0.50	0.32
AE80-271K-RC	270	35	0.79	1.770	0.47	0.30
AE80-331K-RC	330	35	0.79	2.510	0.39	0.28
AE80-391K-RC	390	35	0.79	2.730	0.38	0.26
AE80-471K-RC	470	35	0.79	3.250	0.35	0.24
AE80-561K-RC	560	35	0.79	3.750	0.33	0.23
AE80-681K-RC	680	35	0.79	4.310	0.30	0.20
AE80-821K-RC	820	35	0.79	6.040	0.26	0.17
AE80-102K-RC	1000	40	0.25	6.900	0.24	0.15
AE80-122K-RC	1200	40	0.25	9.00	0.15	0.087
AE80-152K-RC	1500	40	0.25	12.00	0.13	0.078
AE80-182K-RC	1800	40	0.25	14.00	0.12	0.071
AE80-222K-RC	2200	40	0.25	19.00	0.10	0.064
AE80-272K-RC	2700	40	0.25	25.00	0.090	0.058
AE80-332K-RC	3300	40	0.25	29.00	0.083	0.052
AE80-392K-RC	3900	40	0.25	34.00	0.077	0.048
AE80-472K-RC	4700	40	0.25	37.00	0.074	0.044
AE80-562K-RC	5600	40	0.25	50.00	0.063	0.040
AE80-682K-RC	6800	40	0.25	58.00	0.059	0.036
AE80-822K-RC	8200	40	0.25	68.00	0.054	0.033
AE80-103K-RC	10000	40	0.079	75.00	0.052	0.030

All specifications subject to change without notice.