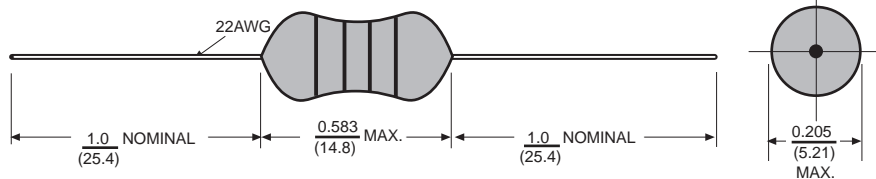


# AC80 Axial Coated Inductors



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



## Features

- 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 $\mu$ h to 100,000 $\mu$ h

**Tolerance:** 1.0uh to 22uh 10%  
33uh to 100,000uh 5%

Available in tighter tolerances

**Test Frequency for (L):**

1.0uh to 6.8uh @ 1Mhz

10uh to 4700uh @ 100Khz

6800uh to 100,000uh @ 10Khz

**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  
Measurements @ 20°C

## Test Equipment

**(L) & (Q):** HP 4284A LCR meter or equivalent

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

**SRF:** HP4191A

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

## Physical

**Packaging:** 1500 pieces per 13" Tape and Reel

1000 pieces per Ammo Pack

**Marking:** 4 Band EIA Color Code

Allied Part Number	Inductance ( $\mu$ h)	Tolerance (%)	Q Min.	Q Test Freq. (MHz)	SRF (MHz) Mtv.	DCR Max. ( $\Omega$ )	Rated Current (mA)
AC80-1R0K-RC	1.0	10	40	7.96	200	0.08	2200
AC80-1R5K-RC	1.5	10	40	7.96	190	0.09	2100
AC80-2R2K-RC	2.2	10	40	7.96	140	0.11	1900
AC80-3R3K-RC	3.3	10	40	7.96	120	0.13	1750
AC80-4R7K-RC	4.7	10	40	7.96	100	0.16	1600
AC80-6R8K-RC	6.8	10	40	7.96	80	0.19	1500
AC80-100K-RC	10	10	60	2.52	60	0.22	1400
AC80-150K-RC	15	10	60	2.52	20	0.28	1250
AC80-220K-RC	22	10	50	2.52	12	0.35	1100
AC80-330J-RC	33	5	40	2.52	8.0	0.43	900
AC80-470J-RC	47	5	40	2.52	5.0	0.50	800
AC80-680J-RC	68	5	30	2.52	4.5	0.60	700
AC80-101J-RC	100	5	50	0.796	3.5	0.70	600
AC80-151J-RC	150	5	50	0.796	3.0	0.90	500
AC80-221J-RC	220	5	50	0.796	2.4	1.60	400
AC80-331J-RC	330	5	50	0.796	2.0	1.90	330
AC80-471J-RC	470	5	40	0.796	1.5	2.50	280
AC80-681J-RC	680	5	30	0.796	1.3	2.80	240
AC80-102J-RC	1000	5	60	0.252	1.2	3.80	200
AC80-152J-RC	1500	5	60	0.252	1.0	6.00	160
AC80-222J-RC	2200	5	60	0.252	0.8	9.00	120
AC80-332J-RC	3300	5	60	0.252	0.6	12.0	110
AC80-472J-RC	4700	5	60	0.252	0.5	20.0	90
AC80-682J-RC	6800	5	60	0.252	0.4	30.0	80
AC80-103J-RC	10000	5	50	0.0796	0.35	42.0	60
AC80-153J-RC	15000	5	50	0.0796	0.30	68.0	50
AC80-223J-RC	22000	5	50	0.0796	0.26	120	40
AC80-333J-RC	33000	5	50	0.0796	0.22	150	35
AC80-473J-RC	47000	5	40	0.0796	0.18	230	30
AC80-683J-RC	68000	5	40	0.0796	0.15	290	25
AC80-104J-RC	100000	5	30	0.0796	0.12	420	20

All specifications subject to change without notice.