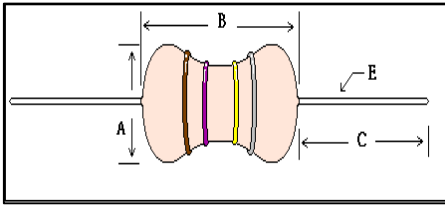


# Power Coated Inductors **AMPA1**

## Characteristics



- A:** 0.175"max  
**B:** 0.500"max  
**C:** 1.15" nominal  
**E:** 22AWG/TCW

Operating temperature	-55°C to +125°C
Standard tolerance	+/- 10% +/-20% ;closer tolerances available upon request
Testing (Equivalent acceptable)	<b>L</b> measured on HP4285A-1MHZ (L: R70M) <b>L</b> measured on HP4263B-1KHZ (L: 1R0K-->102K) Inductance- Measured at 1 V with no DC current. <b>IDC</b> : 11021 current source&DCR meter <b>RDC</b> : HP4263B current source & DCR meter
Current Rating	At 85 Degrees C Amb.-40 Degrees C Rise
Power Dissipation	At 85 Degrees C -.55 Watts
Marking	EIA 4 band color code
Incremental Current	The current at which the inductance will be decreased by a maximum of 5% form its initial zero DC value.
Packaging	Tape & reel, 3000 pcs per reel,Bulk 500 pcs/Bag

PART NUMBER	L (uH)	DCR (Ohms) Max	Current Rating (Amps) Max	Incremental Current (Amps)
AMPA1-R70M	0.7	0.010	7.00	7.0
AMPA1-1R0K	1.0	0.013	5.50	4.1
AMPA1-1R2K	1.2	0.018	4.69	3.8
AMPA1-1R5K	1.5	0.020	4.45	3.5
AMPA1-1R8K	1.8	0.021	4.34	3.2
AMPA1-2R2K	2.2	0.029	3.70	2.8
AMPA1-2R7K	2.7	0.034	3.41	2.5
AMPA1-3R3K	3.3	0.038	3.23	2.4
AMPA1-3R9K	3.9	0.042	3.07	2.2
AMPA1-4R7K	4.7	0.047	2.90	2.0
AMPA1-5R6K	5.6	0.051	2.79	1.8
AMPA1-6R8K	6.8	0.058	2.61	1.7
AMPA1-8R2K	8.2	0.063	2.51	1.5
AMPA1-100K	10	0.071	2.36	1.4
AMPA1-120K	12	0.084	2.24	1.3
AMPA1-150K	15	0.089	2.11	1.2
AMPA1-180K	18	0.119	1.82	1.1
AMPA1-220K	22	0.152	1.61	1.02
AMPA1-270K	27	0.179	1.48	0.85
AMPA1-330K	33	0.222	1.33	0.88
AMPA1-390K	39	0.315	1.12	0.80
AMPA1-470K	47	0.362	1.04	0.74
AMPA1-560K	56	0.397	1.00	0.68
AMPA1-680K	68	0.418	0.97	0.62
AMPA1-820K	82	0.604	0.81	0.56
AMPA1-101K	100	0.672	0.76	0.50
AMPA1-121K	120	0.735	0.73	0.45
AMPA1-151K	150	0.998	0.63	0.40
AMPA1-181K	180	1.370	0.53	0.35
AMPA1-221K	220	1.580	0.50	0.32
AMPA1-271K	270	1.770	0.47	0.30
AMPA1-331K	330	2.510	0.39	0.28
AMPA1-391K	390	2.730	0.38	0.26
AMPA1-471K	470	3.250	0.35	0.24
AMPA1-561K	560	3.750	0.33	0.23
AMPA1-681K	680	4.310	0.30	0.20
AMPA1-821K	820	6.040	0.26	0.17
AMPA1-102K	1000	6.900	0.24	0.15

