

Type VC0513

3.9 μ H to 18milliH

- # Ferrite core
- # Low cost construction
- # Medium current
- # Compact size
- # PVC shrink sleeving

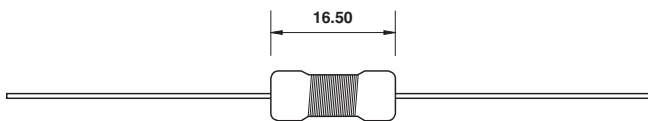
The VC0513 axial inductors are designed for use in power supplies to provide line filtering. They have a good combination of small size, high inductance and power rating and are competitively priced for commercial production.

Windings are enamelled copper and the case is insulated and protected with PVC shrink sleeving giving a rugged and moisture resistant assembly.

Electrical specification

Case style	VC0513 axial
Range	3.9 μ H to 18milliH
Marking	Heat shrink sleeve ident
Temperature range	(-55 +105) $^{\circ}$ C
Voltage rating	250V r.m.s. max.
Current rating	Based on max. permissible temp. rise during operation
Lead tensile strength	1.0Kg min.
Lead bending strength	0.3Kg min.
Moisture resistance	μ H \pm 5% max., Q \pm 20% max., relative humidity 90% ~ 95%, +40 $^{\circ}$ C, 24 hours

Dimensions(mm)



Body diam: 6.6mm nominal
 Lead diam: 20 AWG
 Lead length: 38mm min.
 Inductance measured at 1kHz
 Sleeving: PVC shrink tube

Standard values

TFC Part No.	μ H \pm 10%	Ω d.c. max.	Sat. I d.c. Amps.	I d.c. max. Amps.
VC0513-3R9K-PVC	3.9	0.019	7.3	1.28
VC0513-4R7K-PVC	4.7	0.022	6.3	1.28
VC0513-5R6K-PVC	5.6	0.024	5.6	1.28
VC0513-6R8K-PVC	6.8	0.026	5.3	1.28
VC0513-8R2K-PVC	8.2	0.028	4.5	1.28
VC0513-100K-PVC	10	0.033	4.1	1.28
VC0513-120K-PVC	12	0.037	3.6	1.28
VC0513-150K-PVC	15	0.040	3.3	1.28
VC0513-180K-PVC	18	0.044	3.0	1.28
VC0513-220K-PVC	22	0.050	2.7	1.28
VC0513-270K-PVC	27	0.058	2.5	1.28
VC0513-330K-PVC	33	0.075	2.2	1.008
VC0513-390K-PVC	39	0.094	2.0	0.804
VC0513-470K-PVC	47	0.109	1.8	0.804
VC0513-560K-PVC	56	0.140	1.7	0.804
VC0513-680K-PVC	68	0.131	1.5	0.804
VC0513-820K-PVC	82	0.152	1.4	0.804
VC0513-101K-PVC	100	0.208	1.2	0.632
VC0513-121K-PVC	120	0.283	1.1	0.508
VC0513-151K-PVC	150	0.340	1.0	0.508
VC0513-181K-PVC	180	0.362	0.95	0.508
VC0513-221K-PVC	220	0.430	0.86	0.508
VC0513-271K-PVC	270	0.557	0.77	0.400
VC0513-331K-PVC	330	0.665	0.70	0.400
VC0513-391K-PVC	390	0.712	0.64	0.400
VC0513-471K-PVC	470	1.15	0.59	0.315
VC0513-561K-PVC	560	1.27	0.54	0.315
VC0513-681K-PVC	680	1.61	0.49	0.250
VC0513-821K-PVC	820	1.96	0.44	0.200
VC0513-102K-PVC	1000	2.30	0.40	0.200
VC0513-122K-PVC	1200	2.65	0.35	0.200
VC0513-152K-PVC	1500	3.45	0.33	0.158
VC0513-182K-PVC	1800	4.03	0.29	0.158
VC0513-222K-PVC	2200	4.48	0.27	0.158
VC0513-272K-PVC	2700	5.40	0.24	0.125
VC0513-332K-PVC	3300	6.56	0.22	0.125
VC0513-392K-PVC	3900	8.63	0.20	0.100
VC0513-472K-PVC	4700	9.66	0.18	0.100
VC0513-562K-PVC	5600	13.9	0.166	0.082
VC0513-682K-PVC	6800	16.3	0.151	0.082
VC0513-822K-PVC	8200	20.8	0.138	0.065
VC0513-103K-PVC	10000	26.4	0.125	0.050
VC0513-123K-PVC	12000	29.9	0.114	0.050
VC0513-153K-PVC	15000	42.5	0.098	0.039
VC0513-183K-PVC	18000	48.3	0.091	0.039