

Type VC1019

3.9 μ H to 100milliH

Standard values

- # Ferrite core
- # Low cost construction
- # High current
- # Compact size
- # UL shrink sleeving

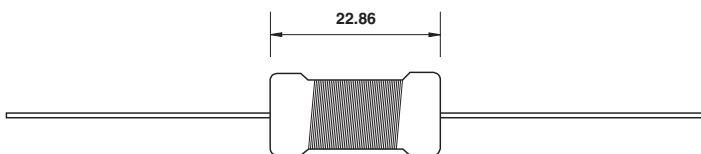
The VC1019 axial inductors are designed for use in power supplies to provide line filtering. They have a good combination of small size, high inductance and power rating and are competitively priced for commercial production.

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

Electrical specification

Case style	VC1019 axial
Range	3.9 μ H to 100milliH
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: 11.43mm nominal
 Lead diam: 20 AWG
 Lead length: 38mm min.
 Inductance measured at 1kHz
 Sleeving: UL shrink tube

TFC Part No.	μ H \pm 10%	Ω d.c. max.	Sat. current Amps.	I d.c. max. Amps.
VC1019-3R9K-UL	3.9	0.007	15.5	4.0
VC1019-4R7K-UL	4.7	0.008	13.9	4.0
VC1019-5R6K-UL	5.6	0.009	12.6	4.0
VC1019-6R8K-UL	6.8	0.011	11.5	4.0
VC1019-8R2K-UL	8.2	0.013	9.89	4.0
VC1019-100K-UL	10	0.017	8.70	4.0
VC1019-120K-UL	12	0.019	8.21	4.0
VC1019-150K-UL	15	0.022	7.34	4.0
VC1019-180K-UL	18	0.023	6.64	4.0
VC1019-220K-UL	22	0.026	6.07	4.0
VC1019-270K-UL	27	0.027	5.36	4.0
VC1019-330K-UL	33	0.032	4.82	4.0
VC1019-390K-UL	39	0.033	4.36	4.0
VC1019-470K-UL	47	0.035	3.98	4.0
VC1019-560K-UL	56	0.037	3.66	3.2
VC1019-680K-UL	68	0.047	3.31	2.5
VC1019-820K-UL	82	0.060	3.10	2.0
VC1019-101K-UL	100	0.080	2.79	1.6
VC1019-121K-UL	120	0.090	2.54	1.6
VC1019-151K-UL	150	0.107	2.22	1.6
VC1019-181K-UL	180	0.123	1.98	1.6
VC1019-221K-UL	220	0.150	1.89	1.6
VC1019-271K-UL	270	0.162	1.63	1.6
VC1019-331K-UL	330	0.183	1.51	1.6
VC1019-391K-UL	390	0.212	1.39	1.6
VC1019-471K-UL	470	0.281	1.24	1.2
VC1019-561K-UL	560	0.380	1.17	1.0
VC1019-681K-UL	680	0.420	1.05	1.0
VC1019-821K-UL	820	0.548	0.97	0.8
VC1019-102K-UL	1000	0.655	0.87	0.8
VC1019-122K-UL	1200	0.884	0.79	0.6
VC1019-152K-UL	1500	1.04	0.70	0.6
VC1019-182K-UL	1800	1.18	0.64	0.6
VC1019-222K-UL	2200	1.56	0.58	0.5
VC1019-272K-UL	2700	2.06	0.53	0.4
VC1019-332K-UL	3300	2.53	0.47	0.4
VC1019-392K-UL	3900	2.75	0.43	0.4
VC1019-472K-UL	4700	3.19	0.39	0.4
VC1019-562K-UL	5600	3.92	0.359	0.315
VC1019-682K-UL	6800	5.69	0.322	0.250
VC1019-822K-UL	8200	6.32	0.293	0.250
VC1019-103K-UL	10000	7.30	0.266	0.250
VC1019-123K-UL	12000	9.21	0.241	0.200
VC1019-153K-UL	15000	10.5	0.214	0.200
VC1019-183K-UL	18000	14.8	0.198	0.158
VC1019-223K-UL	22000	21.8	0.180	0.125
VC1019-273K-UL	27000	22.7	0.162	0.125
VC1019-333K-UL	33000	25.7	0.146	0.125
VC1019-393K-UL	39000	31.8	0.135	0.100
VC1019-473K-UL	47000	36.1	0.122	0.100
VC1019-563K-UL	56000	40.9	0.112	0.100
VC1019-683K-UL	68000	57.3	0.101	0.082
VC1019-823K-UL	82000	79.3	0.090	0.065
VC1019-104K-UL	100000	89.7	0.081	0.065