

## Type VC0410 (0.15 ~ 56) $\mu$ H

- # Ferrite core
- # Low cost construction
- # Medium current
- # Compact size
- # UL/PVC sleeving  
or epoxy varnish coated

The VC0410 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/PVC shrink sleeving or epoxy varnish coated giving a rugged and moisture resistant assembly.

### Electrical specification

Case style	VC0410 axial
Range	(0.15 ~ 56) $\mu$ H
Temperature range	(-20 +85) $^{\circ}$ 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	$\mu$ H $\pm$ 5% max., Q $\pm$ 20% max., relative humidity 90% ~ 95%, +40 $^{\circ}$ C, 24 hours

### Standard values

TFC Part No. **	$\mu$ H $\pm$ 10%	Q min.	Test Freq. MHz	S.R.F. min. MHz	$\Omega$ d.c. max	I d.c. max Amps
VC0410-R15K	0.15	50	25.2	400	0.042	1.85
VC0410-R22K	0.22	50	25.2	360	0.058	1.61
VC0410-R33K	0.33	45	25.2	315	0.082	1.40
VC0410-R47K	0.47	50	25.2	280	0.100	1.25
VC0410-R56K	0.56	50	25.2	265	0.125	1.20
VC0410-R68K	0.68	75	25.2	200	0.047	1.75
VC0410-R82K	0.82	75	25.2	180	0.051	1.70
VC0410-1R0K	1.0	75	25.2	165	0.057	1.63
VC0410-1R2K	1.2	55	7.96	150	0.063	1.58
VC0410-1R5K	1.5	55	7.96	135	0.071	1.50
VC0410-1R8K	1.8	55	7.96	125	0.078	1.45
VC0410-2R2K	2.2	55	7.96	115	0.088	1.38
VC0410-2R7K	2.7	55	7.96	105	0.098	1.32
VC0410-3R3K	3.3	60	7.96	90	0.205	0.87
VC0410-3R9K	3.9	60	7.96	85	0.225	0.84
VC0410-4R7K	4.7	60	7.96	80	0.250	0.80
VC0410-5R6K	5.6	60	7.96	70	0.280	0.75
VC0410-6R8K	6.8	60	7.96	65	0.310	0.71
VC0410-8R2K	8.2	55	7.96	60	0.350	0.68
VC0410-100K	10	55	7.96	55	0.390	0.64
VC0410-120K	12	65	2.52	50	0.670	0.45
VC0410-150K	15	65	2.52	45	0.760	0.43
VC0410-180K	18	70	2.52	43	0.850	0.41
VC0410-220K	22	70	2.52	40	0.960	0.39
VC0410-270K	27	70	2.52	36	1.100	0.36
VC0410-330K	33	65	2.52	34	1.240	0.35
VC0410-390K	39	65	2.52	31	1.370	0.33
VC0410-470K	47	60	2.52	29	1.550	0.32
VC0410-560K	56	55	2.52	26	1.750	0.30

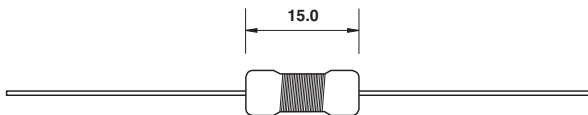
\*\* Add suffix for insulation protection as required:

UL: UL shrink sleeve

PVC: PVC shrink sleeve

No suffix: Epoxy varnish coating

### Dimensions(mm)



Body diam: 5.0mm max.  
Lead diam: 0.65mm  
Lead length: 26mm min.  
Inductance measured at 1kHz  
Sleeving: UL shrink tube