

Type VC0616 (0.47 ~ 33) μ H

- # Ferrite core
- # UL 94V0 rated
- # Medium current
- # (-40 +140) $^{\circ}$ C
- # Moulded polypropylene - Vz

The VC0616 moulded axial inductors are designed for medium power applications and are UL 94V0 rated. They have a good combination of small size, high inductance and power rating and are competitively priced for commercial production.

Windings are enamelled copper on a ferrite former with a moulded polypropylene encapsulation giving a rugged and moisture resistant high temperature assembly.

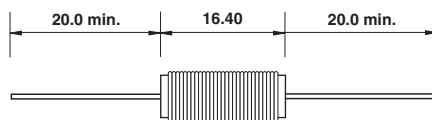
Electrical specification

Case style	VC0616 axial
Range	(0.47 ~ 33) μ H
Temperature range	(-40 +140) $^{\circ}$ 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

Standard values

TFC Part No.	μ H \pm 10%	Q min.	Test Freq. MHz	S.R.F. min. MHz	Ω d.c. max	I d.c. max Amps
VC0616-R47M	0.47	100	25.2	200	0.013	4.02
VC0616-R56M	0.56	100	25.2	180	0.016	4.02
VC0616-R68M	0.68	100	25.2	170	0.019	3.07
VC0616-R82M	0.82	100	25.2	150	0.029	2.26
VC0616-1R0M	1.0	100	25.2	130	0.035	2.26
VC0616-1R2K	1.2	60	7.96	120	0.048	1.57
VC0616-1R5K	1.5	60	7.96	110	0.056	1.57
VC0616-1R8K	1.8	60	7.96	100	0.070	1.27
VC0616-2R2K	2.2	60	7.96	90	0.100	1.00
VC0616-2R7K	2.7	60	7.96	80	0.140	0.76
VC0616-3R3K	3.3	60	7.96	75	0.190	0.64
VC0616-3R9K	3.9	60	7.96	70	0.260	0.56
VC0616-4R7K	4.7	60	7.96	60	0.380	0.39
VC0616-5R6K	5.6	60	7.96	50	0.470	0.33
VC0616-6R8K	6.8	60	7.96	45	0.630	0.25
VC0616-8R2K	8.2	60	7.96	40	0.710	0.25
VC0616-100K	10	60	7.96	35	1.000	0.20
VC0616-120K	12	40	2.52	30	1.500	0.16
VC0616-150K	15	40	2.52	27	2.300	0.12
VC0616-180K	18	40	2.52	23	2.800	0.12
VC0616-220K	22	40	2.52	20	3.500	0.09
VC0616-270K	27	40	2.52	19	5.100	0.06
VC0616-330K	33	40	2.52	18	6.200	0.06

Dimensions(mm)



Body diam: 6.6mm nominal
Lead diam: 0.8mm