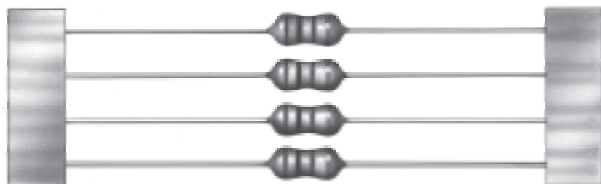


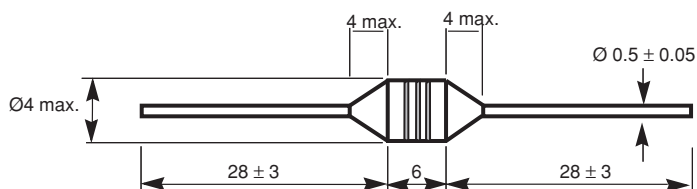
Conformal Coated Inductors, Axial Leads, Commercial Use



FEATURES

- Uniform epoxy coating for humidity
- Copper winding on magnetic core structure
- Tinned copper axial leads

DIMENSIONS in millimeters



ELECTRICAL SPECIFICATIONS

Inductance Range	0.1 μ H to 1000 μ H
Tolerance	$\pm 20\%$ 0.1 μ H < L $\leq$ 0.82 μ H $\pm 10\%$ 1 μ H < L $\leq$ 1000 μ H
Limiting Voltage	250VRMS

MECHANICAL SPECIFICATIONS

Coating	epoxy resin
Terminations	tinned copper
Weight	0.5g

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	+ 80°C
Temperature Limits	- 20°C + 100°C

**EC36 INDUCTORS - STANDARD VALUES**

INDUCTANCE VALUE μH	TOLERANCE %	Q MIN.	TEST FREQUENCY MHz	DCR MAX. Ω	SRF MIN. MHz	I MAX. mA
0.10	$\pm 20\%$	25	25.2	0.15	320	900
0.12				0.16		900
0.15				0.17		890
0.18				0.19	320	890
0.22				0.21	300	880
0.27				0.24	300	800
0.33				0.28	300	750
0.39				0.32	280	680
0.47				0.36	250	650
0.56				0.41	230	600
0.68		25		0.47	210	550
0.82	$\pm 20\%$	45		0.24	172	980
1	$\pm 10\%$	45	25.2	0.24	157	920
1.2		50	7.96	0.27	144	880
1.5		50		0.3	131	830
1.8		55		0.32	121	790
2.2		55		0.35	110	750
2.7		60		0.35	100	720
3.3		65		0.35	94	670
3.9		65		0.37	86	640
4.7		70		0.39	80	620
5.6				0.43	74	590
6.8				0.48	68	550
8.2			7.96	0.52	53	530
10			2.52	0.58	45	500
12				0.63	34	480
15		70		0.72	20	460
18		65		0.77	14	430
22		40		0.84	9.9	410
27		55		0.94	7.6	390
33		55		1.03	6.3	370
39		50		1.12	6.3	350
47		45		1.22	6.3	340
56		40		1.34	6.2	320
68		40		1.47	5.7	306
82		35		1.62	5.3	290
100		30	2.52	1.8	4.8	275
120		70	0.796	3.7	3.8	185
150		70		4.2	3.5	175
180		70		4.6	3.3	165
220		70		5.1	3	155
270		65		5.8	2.8	146
330		65		6.4	2.6	137
390		65		7	2.4	133
470		60		7.7	2.25	126
560		60		8.5	2.1	120
680		55		9.4	1.95	113
820		55	0.796	12	1.85	100
1000	$\pm 10\%$	50	0.252	17.4	1.4	100

PACKAGING

2000 pieces tape in box "ammopack"
5000 pieces tape and reel
On request : 2000 pieces tape and reel radial style available (consult VISHAY AZTRONIC for dimensions).

MARKING

4 color band.

ORDERING INFORMATION

EC	36	0.47 μH	$\pm 20\%$	B
SERIES	STYLE	INDUCTANCE VALUE	TOLERANCE	PACKAGING R: tape and reel B: tape in box "Ammopack" E: radial style