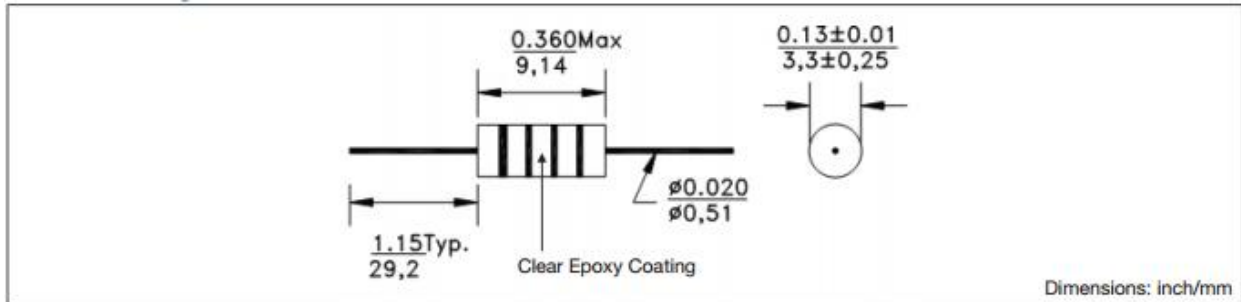


## Datasheet

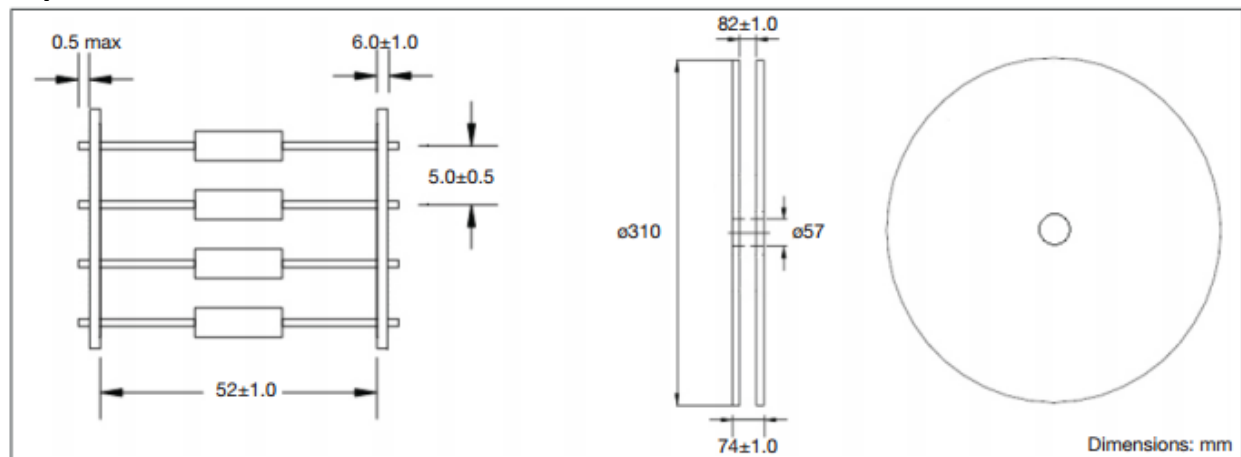
# 1 $\mu\text{H}$ Ferrite Leaded Inductor, 3.3A Idc APIE0309

RS Stock number [228-113](#)

### Outline Drawing



### Tape and Reel Dimensions



### Specifications:

Test frequency: 7.9MHz for 1.0 $\mu\text{H}$  to 8.2 $\mu\text{H}$ , 1KHz for 10 $\mu\text{H}$  to 10000 $\mu\text{H}$   
 IDC: 10% inductance drops typical  
 Operating temp: -40°C ~ +105°C  
 Storage temp: -40°C ~ +85°C

### Features:

- Low cost axial leaded inductors
- High current rating
- Wide inductance range

### Applications:

- Power supplies
- Switching circuits
- TV and audio equipment
- Telecommunication devices
- RF and other filters

**Electrical Specifications:**

Part No. (APIE0309- Inductance Code)	L( $\mu$ H)	Tolerance	DCR( $\Omega$ )	SRF(MHz)	IDC(mA)	Inductance
		%	max.	min.	max.	
APIE0309-1R0	1.0	K	0.030	190	3300	1R0
APIE0309-1R2	1.2	K	0.019	170	3200	1R2
APIE0309-1R5	1.5	K	0.020	160	3100	1R5
APIE0309-1R8	1.8	K	0.023	150	2900	1R8
APIE0309-2R2	2.2	K	0.031	130	2600	2R2
APIE0309-2R7	2.7	K	0.033	120	2500	2R7
APIE0309-3R3	3.3	K	0.054	110	1900	3R3
APIE0309-3R9	3.9	K	0.060	100	1800	3R9
APIE0309-4R7	4.7	K	0.068	86	1700	4R7
APIE0309-5R6	5.6	K	0.074	84	1600	5R6
APIE0309-6R8	6.8	K	0.080	44	1600	6R8
APIE0309-8R2	8.2	K	0.087	32	1500	8R2
APIE0309-100	10	K	0.095	25	1500	100
APIE0309-120	12	K	0.11	17	1400	120
APIE0309-150	15	K	0.15	13	1200	150
APIE0309-180	18	K	0.16	10	1100	180
APIE0309-220	22	K	0.19	8.4	1000	220
APIE0309-270	27	K	0.22	8.0	950	270
APIE0309-330	33	K	0.29	7.6	910	330
APIE0309-390	39	K	0.26	7.1	880	390
APIE0309-470	47	K	0.35	6.0	760	470
APIE0309-560	56	K	0.47	5.8	650	560
APIE0309-680	68	K	0.53	4.3	610	680
APIE0309-820	82	K	0.60	4.1	580	820
APIE0309-101	100	K	0.67	3.9	550	101
APIE0309-121	120	K	0.9	3.6	470	121
APIE0309-151	150	K	1.2	3.2	410	151
APIE0309-181	180	K	1.4	2.8	380	181
APIE0309-221	220	K	1.9	2.3	320	221
APIE0309-271	270	K	2.1	2.1	310	271
APIE0309-331	330	K	2.4	1.9	290	331
APIE0309-391	390	K	3.0	1.7	260	391
APIE0309-471	470	K	3.4	1.4	240	471
APIE0309-561	560	K	4.7	1.3	210	561
APIE0309-681	680	K	6.4	1.2	180	681
APIE0309-821	820	K	7.1	1.1	170	821
APIE0309-102	1000	K	7.9	1.0	160	102
APIE0309-122	1200	K	9.0	0.94	150	122
APIE0309-152	1500	K	13.5	0.76	130	152
APIE0309-182	1800	K	14.0	0.72	120	182
APIE0309-222	2200	K	19.0	0.64	100	222
APIE0309-272	2700	K	25.0	0.56	90	272
APIE0309-332	3300	K	29.0	0.53	83	332
APIE0309-392	3900	K	34.0	0.48	77	392
APIE0309-472	4700	K	45.0	0.45	74	472
APIE0309-562	5600	K	55.0	0.40	63	562
APIE0309-682	6800	K	60.0	0.36	59	682
APIE0309-822	8200	K	75.0	0.29	54	822
APIE0309-103	10000	K	85.0	0.27	52	103