

AL04 SERIES

ELECTRICAL CHARACTERISTICS

Ordering code	Inductance [μH]	Inductance Tolerance (%)	Q (min.)	Measuring frequency [MHz]	Self-resonant frequency [MHz] (min.)	DC Resistance [Ω] (max.)	Rated Current [mA] (max.)	
AL04 ○○ R22K,J	0.22	±10,5	45	25.2	300	0.10	1400	
AL04 ○○ R27K,J	0.27				270	0.11	1320	
AL04 ○○ R33K,J	0.33				250	0.12	1280	
AL04 ○○ R39K,J	0.39				230	0.13	1200	
AL04 ○○ R47K,J	0.47				220	0.14	1150	
AL04 ○○ R56K,J	0.56				200	0.15	1100	
AL04 ○○ R68K,J	0.68				190	0.16	1030	
AL04 ○○ R82K,J	0.82				172	0.17	980	
AL04 ○○ 1R0K,J	1.0				157	0.19	920	
AL04 ○○ 1R2K,J	1.2				144	0.21	880	
AL04 ○○ 1R5K,J	1.5				131	0.23	830	
AL04 ○○ 1R8K,J	1.8				121	0.25	790	
AL04 ○○ 2R2K,J	2.2				110	0.28	750	
AL04 ○○ 2R7K,J	2.7				100	0.30	720	
AL04 ○○ 3R3K,J	3.3		94	0.34	670			
AL04 ○○ 3R9K,J	3.9		65	0.37	640			
AL04 ○○ 4R7K,J	4.7		70	0.39	620			
AL04 ○○ 5R6K,J	5.6		48	0.43	590			
AL04 ○○ 6R8K,J	6.8		75	0.48	550			
AL04 ○○ 8R2K,J	8.2		80	0.52	530			
AL04 ○○ 100K,J	10		65	0.58	500			
AL04 ○○ 120K,J	12		19	0.63	480			
AL04 ○○ 150K,J	15		17	0.72	460			
AL04 ○○ 180K,J	18		13	0.77	430			
AL04 ○○ 220K,J	22		9.6	0.84	410			
AL04 ○○ 270K,J	27		7.2	0.94	390			
AL04 ○○ 330K,J	33		6.3	1.03	370			
AL04 ○○ 390K,J	39		6.3	1.12	350			
AL04 ○○ 470K,J	47		45	1.22	340			
AL04 ○○ 560K,J	56		40	1.34	320			
AL04 ○○ 680K,J	68		35	1.47	305			
AL04 ○○ 820K,J	82		30	1.62	290			
AL04 ○○ 101K,J	100		30	1.80	275			
AL04 ○○ 121K,J	120		55	3.8	3.70	185		
AL04 ○○ 151K,J	150		45	3.5	4.20	175		
AL04 ○○ 181K,J	180		50	3.3	4.60	165		
AL04 ○○ 221K,J	220		55	3.0	5.10	155		
AL04 ○○ 271K,J	270		65	2.8	5.80	145		
AL04 ○○ 331K,J	330		65	2.6	6.40	137		
AL04 ○○ 391K,J	390		60	2.4	7.00	133		
AL04 ○○ 471K,J	470		60	2.25	7.70	126		
AL04 ○○ 561K,J	560		55	2.10	8.50	120		
AL04 ○○ 681K,J	680		55	1.95	9.40	113		
AL04 ○○ 821K,J	820		50	1.85	10.5	105		
AL04 ○○ 102K,J	1000		50	1.40	14.0	100		
AL04 ○○ 122K,J	1200		50	0.252	1.20	22.0	110	
AL04 ○○ 152K,J	1500				1.10	25.0	100	
AL04 ○○ 182K,J	1800				0.98	28.0	90	
AL04 ○○ 222K,J	2200				0.90	40.0	80	
AL04 ○○ 272K,J	2700				0.85	44.0	70	
AL04 ○○ 332K,J	3300				0.81	50.0	70	
AL04 ○○ 392K,J	3900				0.72	63.0	60	
AL04 ○○ 472K,J	4700				0.60	69.0	55	
AL04 ○○ 562K,J	5600				0.55	77.0	50	
AL04 ○○ 682K,J	6800				0.50	104.0	45	
AL04 ○○ 822K,J	8200				0.48	116.0	45	
AL04 ○○ 103K,J	10000				30	0.40	148.0	35

○Please specify the taping configuration code.

▼ Test Equipment's

- L,Q : HP4285A LCR METER+42851A PRECISION Q ADAPTER
- SRF : Agilent 4294A RECISION IMPEDANCE ANALYZER/Agilent E4991A RECISION IMPEDANCE ANALYZER
- RDC : HIOKI mΩ HiTESTER
- IDC1 : Agilent 4284A LCR Meter + Agilent 42841A Bias Current Source

The saturation current : ΔL≤10% reduction from initial L value