

AL03 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.)	
AL03 ○○ R22K,J	0.22	±10,5	35	25.2	450	0.40	400	
AL03 ○○ R27K,J	0.27				410	0.43	380	
AL03 ○○ R33K,J	0.33				360	0.48	370	
AL03 ○○ R39K,J	0.39				300	0.51	350	
AL03 ○○ R47K,J	0.47				230	0.56	330	
AL03 ○○ R56K,J	0.56				210	0.61	320	
AL03 ○○ R68K,J	0.68		40		7.96	190	0.67	310
AL03 ○○ R82K,J	0.82					170	0.74	290
AL03 ○○ 1R0K,J	1.0					150	0.80	270
AL03 ○○ 1R2K,J	1.2					144	0.90	260
AL03 ○○ 1R5K,J	1.5					131	1.0	250
AL03 ○○ 1R8K,J	1.8					121	1.1	240
AL03 ○○ 2R2K,J	2.2		50	2.52		110	1.2	230
AL03 ○○ 2R7K,J	2.7					100	1.3	220
AL03 ○○ 3R3K,J	3.3					94	1.4	210
AL03 ○○ 3R9K,J	3.9					65	1.6	200
AL03 ○○ 4R7K,J	4.7					56	1.7	190
AL03 ○○ 5R6K,J	5.6					48	1.9	180
AL03 ○○ 6R8K,J	6.8				37	2.0	175	
AL03 ○○ 8R2K,J	8.2				25	2.2	165	
AL03 ○○ 100K,J	10				21	2.3	160	
AL03 ○○ 120K,J	12				19	2.5	150	
AL03 ○○ 150K,J	15				17	2.8	145	
AL03 ○○ 180K,J	18				13	3.1	140	
AL03 ○○ 220K,J	22				9.6	3.4	130	
AL03 ○○ 270K,J	27				7.2	3.8	125	
AL03 ○○ 330K,J	33				6.3	4.1	120	
AL03 ○○ 390K,J	39				6.3	4.5	115	
AL03 ○○ 470K,J	47				6.3	4.9	110	
AL03 ○○ 560K,J	56				6.2	5.3	105	
AL03 ○○ 680K,J	68		5.7	5.8	100			
AL03 ○○ 820K,J	82		5.3	6.3	95			
AL03 ○○ 101K,J	100		4.8	7.0	90			
AL03 ○○ 121K,J	120		3.8	13	90			
AL03 ○○ 151K,J	150		3.5	15	85			
AL03 ○○ 181K,J	180		3.3	16	80			
AL03 ○○ 221K,J	220		3.0	17	75			
AL03 ○○ 271K,J	270		2.8	19	65			
AL03 ○○ 331K,J	330		2.6	20	60			
AL03 ○○ 391K,J	390		2.4	22	55			
AL03 ○○ 471K,J	470		2.25	24	55			
AL03 ○○ 561K,J	560		2.10	26	50			
AL03 ○○ 681K,J	680	1.95	28	45				
AL03 ○○ 821K,J	820	1.85	30	40				
AL03 ○○ 102K,J	1000	1.40	33	40				

○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