

## AL05 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.)	
AL05 ○○ 1R0K	1.0	±10	10	7.96	300	0.022	5600	
AL05 ○○ 1R2K	1.2				260	0.024	5500	
AL05 ○○ 1R5K	1.5				250	0.026	5000	
AL05 ○○ 1R8K	1.8				240	0.029	4700	
AL05 ○○ 2R2K	2.2				220	0.031	4500	
AL05 ○○ 2R7K	2.7				195	0.034	4000	
AL05 ○○ 3R3K	3.3				155	0.038	3400	
AL05 ○○ 3R9K	3.9				115	0.040	3100	
AL05 ○○ 4R7K	4.7				85	0.044	2800	
AL05 ○○ 5R6K	5.6				55	0.048	2600	
AL05 ○○ 6R8K	6.8				50	0.051	2400	
AL05 ○○ 8R2K	8.2				38	0.056	2200	
AL05 ○○ 100K	10				24	0.062	2100	
AL05 ○○ 120K	12				18	0.076	1800	
AL05 ○○ 150K	15				16	0.088	1700	
AL05 ○○ 180K	18				15	0.110	1600	
AL05 ○○ 220K	22				14	0.130	1400	
AL05 ○○ 270K	27				13	0.140	1300	
AL05 ○○ 330K	33				11	0.200	1200	
AL05 ○○ 390K	39				10	0.220	1100	
AL05 ○○ 430K	43				9.5	0.280	1000	
AL05 ○○ 470K	47		9.5	0.280	1000			
AL05 ○○ 560K	56		8.0	0.300	900			
AL05 ○○ 680K	68		7.5	0.340	800			
AL05 ○○ 820K	82		7.0	0.385	700			
AL05 ○○ 101K	100		6.5	0.480	700			
AL05 ○○ 121K	120		5.0	0.595	600			
AL05 ○○ 151K	150		4.5	0.900	550			
AL05 ○○ 181K	180		4.0	1.10	500			
AL05 ○○ 221K	220		3.8	1.25	440			
AL05 ○○ 271K	270		3.5	1.85	420			
AL05 ○○ 331K	330		3.0	2.10	380			
AL05 ○○ 391K	330		2.8	2.28	340			
AL05 ○○ 471K	470		2.5	3.22	320			
AL05 ○○ 561K	560		2.2	3.85	290			
AL05 ○○ 681K	680		2.1	4.00	260			
AL05 ○○ 821K	820		2.0	5.00	250			
AL05 ○○ 102K	1000		1.8	5.80	240			
AL05 ○○ 122K	1200		1.6	7.10	200			
AL05 ○○ 152K	1500		1.5	7.80	190			
				15	0.796			
						0.252		

○Please specify the taping configuration code.

#### ▼ Test Equipments

- L,Q : HP4194A IMPEDANCE/GAN-PHAXE ANALYZER+16092A SPRING CLIP FIXTURE
  - 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