

## AL40 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.)
AL40 RD R22K,J	0.22	±10,5	50	25.2	150	0.15	816
AL40 RD R27K,J	0.27				150	0.15	816
AL40 RD R33K,J	0.33				150	0.15	816
AL40 RD R39K,J	0.39				130	0.15	816
AL40 RD R47K,J	0.47				130	0.15	816
AL40 RD R56K,J	0.56				130	0.20	707
AL40 RD R68K,J	0.68				120	0.20	707
AL40 RD R82K,J	0.82				120	0.20	707
AL40 RD 1R0K,J	1.0				100	0.20	707
AL40 RD 1R2K,J	1.2				85	0.20	707
AL40 RD 1R5K,J	1.5			70	0.22	674	
AL40 RD 1R8K,J	1.8			60	0.22	674	
AL40 RD 2R2K,J	2.2			55	0.25	632	
AL40 RD 2R7K,J	2.7			50	0.27	608	
AL40 RD 3R3K,J	3.3			45	0.30	577	
AL40 RD 3R9K,J	3.9			40	0.32	559	
AL40 RD 4R7K,J	4.7			35	0.35	534	
AL40 RD 5R6K,J	5.6			33	0.37	519	
AL40 RD 6R8K,J	6.8			27	0.40	500	
AL40 RD 8R2K,J	8.2			25	0.45	471	
AL40 RD 100K,J	10			20	0.80	353	
AL40 RD 120K,J	12			18	0.90	333	
AL40 RD 150K,J	15			17	1.0	316	
AL40 RD 180K,J	18			15	1.2	288	
AL40 RD 220K,J	22			13	1.4	267	
AL40 RD 270K,J	27			11	1.7	242	
AL40 RD 330K,J	33			10.5	2.0	223	
AL40 RD 390K,J	39			10.0	2.4	204	
AL40 RD 470K,J	47			9.5	2.7	192	
AL40 RD 560K,J	56			9.0	2.9	185	
AL40 RD 680K,J	68			8.5	3.1	179	
AL40 RD 820K,J	82			7.5	3.3	174	
AL40 RD 101K,J	100			6.8	3.3	174	
AL40 RD 121K,J	120			6.2	3.5	169	
AL40 RD 151K,J	150			5.7	3.7	164	
AL40 RD 181K,J	180			5.3	4.0	158	
AL40 RD 221K,J	220			4.0	5.2	138	
AL40 RD 271K,J	270			3.6	5.8	131	
AL40 RD 331K,J	330			3.3	6.5	124	
AL40 RD 391K,J	390			3.0	7.5	115	
AL40 RD 471K,J	470			2.8	8.0	111	
AL40 RD 561K,J	560			2.4	12.5	89	
AL40 RD 681K,J	680	2.2	14.0	84			
AL40 RD 821K,J	820	2.0	15.5	80			
AL40 RD 102K,J	1000	1.8	18.5	73			
AL40 RD 122K,J	1200	1.7	29.0	58			
AL40 RD 152K,J	1500	1.5	34.0	54			
AL40 RD 182K,J	1800	1.4	37.0	51			
AL40 RD 222K,J	2200	1.2	32.0	48			
			40	0.252	1.8	18.5	73
			30		1.7	29.0	58
				0.252	1.5	34.0	54
					1.4	37.0	51
					1.2	32.0	48

#### ▼ 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