

## AL35 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.)
AL35 RD R22K,J	0.22	±10,5	50	25.2	170	0.09	1000
AL35 RD R27K,J	0.27				160	0.10	980
AL35 RD R33K,J	0.33				140	0.11	960
AL35 RD R39K,J	0.39				130	0.12	940
AL35 RD R47K,J	0.47				120	0.13	910
AL35 RD R56K,J	0.56				110	0.14	880
AL35 RD R68K,J	0.68				100	0.15	850
AL35 RD R82K,J	0.82				90	0.16	820
AL35 RD 1R0K,J	1.0				82	0.17	790
AL35 RD 1R2K,J	1.2				70	0.18	760
AL35 RD 1R5K,J	1.5			65	0.20	730	
AL35 RD 1R8K,J	1.8			57	0.22	700	
AL35 RD 2R2K,J	2.2			47	0.24	670	
AL35 RD 2R7K,J	2.7			40	0.26	640	
AL35 RD 3R3K,J	3.3			35	0.28	610	
AL35 RD 3R9K,J	3.9			33	0.30	580	
AL35 RD 4R7K,J	4.7			31	0.33	560	
AL35 RD 5R6K,J	5.6			27	0.36	540	
AL35 RD 6R8K,J	6.8			24	0.39	520	
AL35 RD 8R2K,J	8.2			22	0.42	490	
AL35 RD 100K,J	10			21	0.45	460	
AL35 RD 120K,J	12			18	1.2	350	
AL35 RD 150K,J	15			16	1.3	330	
AL35 RD 180K,J	18			14	1.4	300	
AL35 RD 220K,J	22			13	1.5	270	
AL35 RD 270K,J	27			12	1.6	250	
AL35 RD 330K,J	33			11	1.8	235	
AL35 RD 390K,J	39			10	2.0	220	
AL35 RD 470K,J	47			9.5	2.2	200	
AL35 RD 560K,J	56			9.0	2.4	190	
AL35 RD 680K,J	68			8.5	2.8	170	
AL35 RD 820K,J	82			8.0	3.0	155	
AL35 RD 101K,J	100			7.5	3.3	150	
AL35 RD 121K,J	120			6.8	4.2	140	
AL35 RD 151K,J	150			6.2	5.0	130	
AL35 RD 181K,J	180			5.6	6.0	125	
AL35 RD 221K,J	220			5.0	7.5	120	
AL35 RD 271K,J	270			4.6	11	105	
AL35 RD 331K,J	330			4.2	13	95	
AL35 RD 391K,J	390			3.8	15	90	
AL35 RD 471K,J	470			3.4	17	80	
AL35 RD 561K,J	560			3.0	19	75	
AL35 RD 681K,J	680			2.6	22	68	
AL35 RD 821K,J	820			2.2	25	60	
AL35 RD 102K,J	1000			2.0	28	55	

#### ▼ 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