

## ALC02 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.)
ALC02 ○○ R22K	0.22	±10	50	25.2	450	0.20	730
ALC02 ○○ R27K	0.27				400	0.21	700
ALC02 ○○ R33K	0.33				350	0.23	670
ALC02 ○○ R39K	0.39				320	0.25	640
ALC02 ○○ R47K	0.47				300	0.27	620
ALC02 ○○ R56K	0.56				280	0.30	590
ALC02 ○○ R68K	0.68				240	0.33	570
ALC02 ○○ R82K	0.82				210	0.35	540
ALC02 ○○ 1R0K,J	1.0	±10,5	40	7.96	190	0.40	510
ALC02 ○○ 1R2K,J	1.2				110	0.43	490
ALC02 ○○ 1R5K,J	1.5				80	0.48	460
ALC02 ○○ 1R8K,J	1.8				70	0.53	440
ALC02 ○○ 2R2K,J	2.2				60	0.50	420
ALC02 ○○ 2R7K,J	2.7				55	0.68	390
ALC02 ○○ 3R3K,J	3.3				50	0.75	370
ALC02 ○○ 3R9K,J	3.9				45	0.83	350
ALC02 ○○ 4R7K,J	4.7		35	40	40	0.91	340
ALC02 ○○ 5R6K,J	5.6				35	1.0	320
ALC02 ○○ 6R8K,J	6.8				30	1.1	300
ALC02 ○○ 8R2K,J	8.2				26	1.3	290
ALC02 ○○ 100K,J	10		40	2.52	24	1.4	270
ALC02 ○○ 120K,J	12				22	1.4	270
ALC02 ○○ 150K,J	15				20	1.6	260
ALC02 ○○ 180K,J	18				18	1.7	250
ALC02 ○○ 220K,J	22	17			1.9	230	
ALC02 ○○ 270K,J	27	16			2.5	200	
ALC02 ○○ 330K,J	33	14			3.4	180	
ALC02 ○○ 390K,J	39	13			3.6	170	
ALC02 ○○ 470K,J	47	12			4.6	150	
ALC02 ○○ 560K,J	56	11			5.1	140	
ALC02 ○○ 680K,J	68	10			5.6	130	
ALC02 ○○ 820K,J	82	9.5			7.9	115	
ALC02 ○○ 101K,J	100	9.0	9.1	105			

○Please specify the taping configuration code.

#### ▼ Test Equipments

- 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