

AL45 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.)
AL45 RD 100K,J	10	±10,5	20	2.52	17.0	0.19	780
AL45 RD 120K,J	12				14.0	0.22	730
AL45 RD 150K,J	15				12.0	0.24	650
AL45 RD 180K,J	18				10.5	0.26	610
AL45 RD 220K,J	22				10.0	0.29	540
AL45 RD 270K,J	27				9.5	0.32	480
AL45 RD 330K,J	33				8.5	0.34	440
AL45 RD 390K,J	39				8.0	0.42	410
AL45 RD 470K,J	47				7.0	0.47	375
AL45 RD 560K,J	56				6.8	0.52	340
AL45 RD 680K,J	68				6.5	0.58	320
AL45 RD 820K,J	82				6.3	0.64	285
AL45 RD 101K,J	100				6.0	0.85	260
AL45 RD 121K,J	120				5.4	1.00	240
AL45 RD 151K,J	150				4.8	1.20	215
AL45 RD 181K,J	180		4.0	1.50	195		
AL45 RD 221K,J	220		3.9	1.65	180		
AL45 RD 271K,J	270		3.6	2.15	160		
AL45 RD 331K,J	330		3.3	2.90	145		
AL45 RD 391K,J	390		3.0	3.25	135		
AL45 RD 471K,J	470		2.8	4.05	125		
AL45 RD 561K,J	560		2.4	4.45	115		
AL45 RD 681K,J	680		2.2	5.85	105		
AL45 RD 821K,J	820		2.0	6.60	90		
AL45 RD 102K,J	1000		1.8	8.90	85		
AL45 RD 122K,J	1200		1.7	10.5	75		
AL45 RD 152K,J	1500		1.5	11.9	70		
AL45 RD 182K,J	1800		1.3	16.5	60		
AL45 RD 222K,J	2200		1.2	19.0	58		
AL45 RD 272K,J	2700		0.8	32.0	52		
AL45 RD 332K,J	3300		0.7	34.0	48		
AL45 RD 392K,J	3900		0.7	38.0	45		
AL45 RD 472K,J	4700		0.6	56.0	40		
AL45 RD 562K,J	5600		0.5	63.0	37		
AL45 RD 682K,J	6800		0.4	70.0	34		
AL45 RD 822K,J	8200		0.4	77.0	31		
AL45 RD 103K,J	10000		0.3	95.0	28		
AL45 RD 123K,J	12000		0.2	110.0	25		
AL45 RD 153K,J	15000		0.1	160.0	21		

▼ 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 : $\Delta L \leq 10\%$ reduction from initial L value