



A: 11.0max  
 B: 11.5max  
 C: 5.0+/-1.0  
 D: 6.0+/-0.5  
 E: 0.80+/-0.05  
**Dimensions: m/m**

### Characteristics

Operating temperature	-55°C to +125°C
Inductance Tolerance	Add tolerance code as indicated within the ( ) of the part number: K=+/- 10% M=+/-20%
Testing	L measured on HP4284A 100KHz-0.1V DCR, IDC : CH-301 current source&DCR meter SRF : 9461L
DC current	DC Current at which the inductance value drop 10% from its value without current Current that causes a 40°C temperature rise from 25°C ambient.
Sleeving	UL approved polyolefin
Packaging	Bulk only

PART NUMBER	L (uH)	DCR (Ohm) Max	SRF (MHz) Typ	Isat (A)	Irms(A)	
					20°C rise	40°C rise
AMRL1010-100K	10	0.023	23	6.10	4.20	6.00
AMRL1010-120K	12	0.025	20	5.60	4.00	5.70
AMRL1010-150K	15	0.028	19	5.00	3.75	5.40
AMRL1010-180K	18	0.030	16	4.60	3.50	5.00
AMRL1010-220K	22	0.042	15	4.10	3.30	4.70
AMRL1010-270K	27	0.046	12	3.70	3.00	4.40
AMRL1010-330K	33	0.055	11	3.40	2.80	4.10
AMRL1010-390K	39	0.075	10.3	3.10	2.60	3.80
AMRL1010-470K	47	0.082	9.5	2.80	2.40	3.50
AMRL1010-560K	56	0.090	8.6	2.60	2.20	3.20
AMRL1010-680K	68	0.120	7.5	2.30	2.00	2.80
AMRL1010-820K	82	0.140	7.0	2.10	1.90	2.50
AMRL1010-101K	100	0.150	7.0	1.90	1.70	2.20
AMRL1010-121K	120	0.210	6.0	1.75	1.60	2.10
AMRL1010-151K	150	0.245	5.0	1.60	1.50	1.90
AMRL1010-181K	180	0.30	5.0	1.45	1.40	1.80
AMRL1010-221K	220	0.36	4.3	1.30	1.30	1.70
AMRL1010-271K	270	0.49	4.0	1.20	1.20	1.60
AMRL1010-331K	330	0.54	3.5	1.10	1.00	1.40
AMRL1010-391K	390	0.62	3.0	1.00	0.90	1.30
AMRL1010-471K	470	0.81	3.0	0.90	0.80	1.20
AMRL1010-561K	560	0.92	2.3	0.80	0.70	1.05
AMRL1010-681K	680	1.20	2.0	0.75	0.60	0.93
AMRL1010-821K	820	1.35	2.0	0.68	0.55	0.80
AMRL1010-102K	1000	1.45	2.0	0.60	0.50	0.67
AMRL1010-122K	1200	2.10	1.6	0.55	0.47	0.63
AMRL1010-152K	1500	2.40	1.4	0.50	0.44	0.59
AMRL1010-182K	1800	3.50	1.3	0.45	0.41	0.55
AMRL1010-222K	2200	4.10	1.3	0.41	0.38	0.50
AMRL1010-272K	2700	5.20	1.2	0.37	0.35	0.47
AMRL1010-332K	3300	6.00	1.0	0.34	0.32	0.43
AMRL1010-392K	3900	7.00	0.9	0.31	0.29	0.39
AMRL1010-472K	4700	8.50	0.8	0.28	0.25	0.35
AMRL1010-562K	5600	10.0	0.8	0.26	0.23	0.30
AMRL1010-682K	6800	13.0	0.7	0.23	0.19	0.26
AMRL1010-822K	8200	15.8	0.6	0.21	0.16	0.22
AMRL1010-103K	10000	19.0	0.6	0.19	0.13	0.18
AMRL1010-123K	12000	22.0	0.5	0.17	0.12	0.17
AMRL1010-153K	15000	29.0	0.5	0.16	0.11	0.15
AMRL1010-183K	18000	33.0	0.4	0.14	0.10	0.13



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