



Dimensions

Code	A	B	C	D	E
Dimensions (mm)	10.8±0.4	10.0±0.3	4.0max	2.7±0.3	2.35±0.2

Specifications

Characteristic	L0 (μH)	I _{rms} (A)	I _{sat} (A)	DCR _{typ} (mΩ)	DCR _{max} (mΩ)
DCYA1040A-R20M-C	0.20	43.0	60.0	0.63	0.72
DCYA1040A-R36M-C	0.36	26.0	33.0	1.04	1.20
DCYA1040A-R45M-C	0.45	25.0	40.0	1.07	1.23
DCYA1040A-R47M-C	0.47	25.0	35.0	1.10	1.27
DCYA1040A-R56M-C	0.56	22.5	24.0	1.56	1.80
DCYA1040A-R90M-C	0.9	20.0	22.0	2.17	2.50
DCYA1040A-1R0M-C	1.0	19.0	25.0	2.70	3.10
DCYA1040A-1R5M-C	1.5	14.0	22.0	3.80	4.20
DCYA1040A-2R2M-C	2.2	10.5	16.0	6.00	7.00
DCYA1040A-3R3M-C	3.3	8.2	11.5	9.90	11.40
DCYA1040A-4R7M-C	4.7	8.0	10.8	13.20	15.00
DCYA1040A-5R6M-C	5.6	7.5	9.0	14.00	17.00
DCYA1040A-6R8M-C	6.8	6.4	9.0	16.00	19.00
DCYA1040A-100M-C	10.0	6.0	6.0	27.00	30.00
DCYA1040A-150M-C	15.0	4.7	4.6	40.00	45.00
DCYA1040A-220M-C	22.0	3.8	4.6	58.00	65.00
DCYA1040A-330M-C	33.0	3.3	4.6	89.00	102.00
DCYA1040A-470M-C	47.0	2.7	3.6	147.00	165.00
DCYA1040A-680M-C	68.0	2.2	3.0	190.00	210.00

Inductance (L0) Test Parameters: 100KHz, 0.25V _{rms} , 0.0A _{dc} , +25° C
I _{rms} : DC current for an approximate temperature rise of 40° C without core loss
DC current for approximately 30% rolloff at +25° C
Temperature grade -55°C~155°C