



### Dimensions

Code	A	B	C	D	E
Dimensions (mm)	11.1±0.4	10.0±0.3	4.0max	3.0±0.5	1.8min

### Specifications

Characteristic	L0 (μH)	I <sub>rms</sub> (A)	I <sub>sat</sub> (A)	DCR <sub>typ</sub> (mΩ)	DCR <sub>max</sub> (mΩ)
DCYA1040A-R20M-F	0.20	330.0	40.0	0.63	0.72
DCYA1040A-R36M-F	0.36	26.0	33.0	1.04	1.20
DCYA1040A-R45M-F	0.45	25.0	32.0	1.07	1.23
DCYA1040A-R47M-F	0.47	28.5	35.0	1.10	1.27
DCYA1040A-R56M-F	0.56	22.5	24.0	1.56	1.80
DCYA1040A-R90M-F	0.9	20.0	22.0	2.17	2.50
DCYA1040A-1R0M-F	1.0	16.0	20.0	2.95	3.30
DCYA1040A-1R5M-F	1.5	14.0	17.0	3.80	4.20
DCYA1040A-2R2M-F	2.2	10.5	16.0	6.00	7.00
DCYA1040A-3R3M-F	3.3	8.2	11.5	10.80	11.80
DCYA1040A-4R7M-F	4.7	6.5	9.0	15.00	18.00
DCYA1040A-5R6M-F	5.6	6.6	9.0	14.00	17.00
DCYA1040A-6R8M-F	6.8	6.4	9.0	16.00	19.00
DCYA1040A-100M-F	10.0	5.0	6.0	27.00	30.00
DCYA1040A-150M-F	15.0	3.8	6.8	45.00	50.00
DCYA1040A-220M-F	22.0	3.2	6.0	58.00	65.00
DCYA1040A-330M-F	33.0	2.8	4.8	92.00	105.00
DCYA1040A-470M-F	47.0	1.9	3.6	165.00	181.00
DCYA1040A-680M-F	68.0	1.7	3.0	190.00	210.00
DCYA1040A-820M-F	82	1.6	2.6	215.00	240.00

Inductance (L0) Test Parameters: 100KHz, 0.25V <sub>rms</sub> , 0.0A <sub>dc</sub> , +25° C
I <sub>rms</sub> : 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