



### Dimensions

Code	A	B	C	D	E
Dimensions (mm)	5.15±0.35	5.10±0.20	2.8±0.2	1.5±0.3	1.0±0.3

### Specifications

Characteristic	L0 (μH)	I <sub>rms</sub> (A)	I <sub>sat</sub> (A)	DCR <sub>typ</sub> (mΩ)	DCR <sub>max</sub> (mΩ)
DCYA0530A-R20M-T	0.20	22.20	21.00	2.10	2.31
DCYA0530A-R35M-T	0.35	16.60	14.90	3.90	4.29
DCYA0530A-R47M-T	0.47	12.00	11.50	6.50	7.15
DCYA0530A-R75M-T	0.75	11.30	9.70	8.50	9.35
DCYA0530A-1R0M-T	1.0	10.10	8.50	10.40	11.44
DCYA0530A-1R5M-T	1.5	7.50	7.00	17.10	18.50
DCYA0530A-2R2M-T	2.2	6.75	6.50	22.50	25.00
DCYA0530A-3R3M-T	3.3	5.50	6.00	36.40	40.40
DCYA0530A-4R7M-T	4.7	4.50	5.50	54.00	60.00
DCYA0530A-5R6M-T	5.6	4.25	3.50	63.00	70.60
DCYA0530A-6R8M-T	6.8	2.90	3.80	91.00	99.00
DCYA0530A-100M-T	10	2.75	3.10	122.10	131.90
DCYA0530A-150M-T	15.0	2.40	2.10	138.40	166.20
DCYA0530A-220M-T	22.0	1.90	2.30	220.00	250.00

Inductance (L0) Test Parameters: 100KHz, 0.25Vrms, 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-125°C