



### Dimensions

Code	A	B	C	D	E
Dimensions (mm)	4.4±0.35	4.2±0.25	1.8±0.2	2.0±0.2	0.8±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)
DCYA0420A-R24M-T	0.24	13.0	19.0	5.5	6.4
DCYA0420A-R33M-T	0.33	10.0	12.0	7.4	8.5
DCYA0420A-R47M-T	0.47	8.5	11.0	10.6	12.6
DCYA0420A-R56M-T	0.56	8.0	10.0	10.9	12.5
DCYA0420A-R68M-T	0.68	7.0	9.0	12.2	14.0
DCYA0420A-1R0M-T	1.0	6.5	7.0	19.4	22.3
DCYA0420A-1R2M-T	1.2	6.0	6.5	22.8	26.2
DCYA0420A-1R5M-T	1.5	5.0	6.0	26.8	30.8
DCYA0420A-2R2M-T	2.2	4.5	5.5	41.7	48.0
DCYA0420A-3R3M-T	3.3	3.3	4.0	74.0	85.1
DCYA0420A-4R7M-T	4.7	2.8	3.2	98.5	113.2
DCYA0420A-6R8M-T	6.8	2.0	2.6	167.0	192.0
DCYA0420A-100M-T	10.0	1.7	2.2	230.0	265.0
DCYA0420A-150M-T	15.0	1.5	1.8	320.0	352.0
DCYA0420A-220M-T	22.0	1.2	1.7	380.0	408.0

Inductance (L0) Test Parameters: 100KHz, 0.25Vrms, 0.0Adc, +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