



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 _{rms} (A)	I _{sat} (A)	DCR _{typ} (mΩ)	DCR _{max} (mΩ)
DCYA0530A-R20M-F	0.20	15.80	18.00	2.10	2.30
DCYA0530A-R22M-F	0.22	15.80	24.00	2.10	2.30
DCYA0530A-R33M-F	0.33	11.80	16.00	3.90	4.30
DCYA0530A-R35M-F	0.35	11.80	15.00	3.90	4.30
DCYA0530A-R47M-F	0.47	9.20	12.00	6.50	7.20
DCYA0530A-R68M-F	0.68	8.00	12.00	8.20	9.10
DCYA0530A-R75M-F	0.75	7.80	12.00	8.50	9.40
DCYA0530A-1R0M-F	1.0	7.10	8.50	10.40	11.40
DCYA0530A-1R5M-F	1.5	5.20	6.80	17.10	18.50
DCYA0530A-2R2M-F	2.2	4.50	6.40	22.50	25.00
DCYA0530A-3R3M-F	3.3	3.80	5.60	36.40	40.40
DCYA0530A-4R7M-F	4.7	3.10	4.20	54.00	60.00
DCYA0530A-5R6M-F	5.6	2.80	4.00	63.00	70.60
DCYA0530A-6R8M-F	6.8	2.30	3.80	81.00	97.20
DCYA0530A-100M-F	10.0	2.40	2.30	90.00	108.00

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