



Dimensions

Code	A	B	C	D	E
Dimensions (mm)	5.4±0.3	5.2±0.2	2.8±0.2	R22~R35:1.5±0.2 R20, R47~100:2.3±0.2	1.0±0.2

Specifications

Characteristic	L0 (μH)	I _{rms} (A)	I _{sat} (A)	DCR _{typ} (mΩ)	DCR _{max} (mΩ)
DCYA0530A-R20M-C	0.20	20.5	20.0	1.6	2.0
DCYA0530A-R22M-C	0.22	15.8	23.0	2.1	2.3
DCYA0530A-R33M-C	0.33	14.0	16.0	2.9	3.4
DCYA0530A-R35M-C	0.35	14.0	15.0	2.9	3.4
DCYA0530A-R47M-C	0.47	11.0	12.0	5.3	6.1
DCYA0530A-R68M-C	0.68	10.0	12.0	6.9	8.0
DCYA0530A-R75M-C	0.75	10.0	11.5	6.6	7.7
DCYA0530A-1R0M-C	1.0	8.4	8.5	10.0	11.4
DCYA0530A-1R5M-C	1.5	6.2	8.5	15.4	17.7
DCYA0530A-2R2M-C	2.2	5.5	6.4	20.0	23.0
DCYA0530A-3R3M-C	3.3	4.7	6.5	32.0	38.0
DCYA0530A-4R7M-C	4.7	4.1	6.0	41.0	47.0
DCYA0530A-5R6M-C	5.6	3.6	4.5	51.0	59.0
DCYA0530A-6R8M-C	6.8	3.3	4.0	61.0	70.0
DCYA0530A-100M-C	10.0	2.8	2.3	90.0	108.0

Inductance (L0) Test Parameters: 100KHz, 0.25V_{rms}, 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