



## Dimensions

Code	A	B	C	D	E
Dimensions (mm)	$5.4 \pm 0.3$	$5.2 \pm 0.2$	$2.8 \pm 0.2$	R22, R23, R35: $1.5 \pm 0.3$ R20, R47~220: $2.3 \pm 0.2$	$1.0 \pm 0.2$

## Specifications

Characteristic	L0 (μH)	I <sub>rms</sub> (A)	I <sub>sat</sub> (A)	DCR <sub>typ</sub> (mΩ)	DCR <sub>max</sub> (mΩ)
DCYC0530A-R20M-C	0.2	20.2	20	1.6	2
DCYC0530A-R22M-C	0.22	22.2	23	2.1	2.3
DCYC0530A-R33M-C	0.33	16.8	16	2.9	3.4
DCYC0530A-R35M-C	0.35	18.2	15	2.9	3.4
DCYC0530A-R47M-C	0.47	13	12	5.3	6.1
DCYC0530A-R68M-C	0.68	10.8	12	6.9	8
DCYC0530A-R75M-C	0.75	11.3	11.5	6.6	7.7
DCYC0530A-I10M-C	1	9.2	8.5	10	11.4
DCYC0530A-I15M-C	1.5	7.5	8.5	15.4	17.7
DCYC0530A-2R2M-C	2.2	6.6	6.4	20	23
DCYC0530A-3R3M-C	3.3	4.9	6.5	32	38
DCYC0530A-4R7M-C	4.7	4.6	6	41	47
DCYC0530A-5R6M-C	5.6	3.9	4.5	51	59
DCYC0530A-6R8M-C	6.8	3.8	4	61	70
DCYC0530A-100M-C	10	3	2.3	90	108
DCYC0530A-220M-C	22	1.9	1.7	215	250

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