



### Dimensions

Code	A	B	C	D	E
Dimensions (mm)	$8.1 \pm 0.3$	8.0max.	5.4max.	$3.0 \pm 0.2$	$1.9 \pm 0.15$

### Specifications

Characteristic	LO ( $\mu\text{H}$ )	I <sub>rms</sub> (A)	I <sub>sat</sub> (A)	DCR <sub>typ</sub> (m $\Omega$ )	DCR <sub>max</sub> (m $\Omega$ )
DCHC0854A-1R0M-C	1	14	15	4	4.8
DCHC0854A-2R2M-C	2.2	10.5	10.8	7	8.5
DCHC0854A-3R3M-C	3.3	10.5	7.2	9	10
DCHC0854A-4R7M-C	4.7	8.3	8	13	15.6
DCHC0854A-100M-C	10	4.3	6.2	49	60
DCHC0854A-150M-C	15	4.7	4.6	43	52
DCHC0854A-220M-C	22	4	4	60.7	70
DCHC0854A-330M-C	33	2.9	4	103	125
DCHC0854A-470M-C	47	2.6	2.6	125	137

Inductance (LO) 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