



Dimensions

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

Specifications

Characteristic	LO (μH)	I _{rms} (A)	I _{sat} (A)	DCR _{typ} (m Ω)	DCR _{max} (m Ω)
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_{rms}, 0.0A_{dc}, +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