



Dimensions

Code	A	B	C	D	E
Dimensions (mm)	17.15 ± 0.3	17.15max.	7.0 max.	11.8 ± 0.3	2.11 ± 0.3

Specifications

Characteristic	L0 (μH)	I _{rms} (A)	I _{sat} (A)	DCR _{typ} (mΩ)	DCR _{max} (mΩ)
DCYC1770A-1R0M-C	1	42	50	1.24	1.46
DCYC1770A-1R5M-C	1.5	28.7	34	1.94	2.24
DCYC1770A-2R2M-C	2.2	27.8	26	2.25	2.41
DCYC1770A-3R3M-C	3.3	26	25	3	3.27
DCYC1770A-4R7M-C	4.7	20.3	27	4.1	4.72
DCYC1770A-6R8M-C	6.8	17	17	6.22	7.16
DCYC1770A-8R2M-C	8.2	15.2	18	7.96	8.7
DCYC1770A-100M-C	10	14.4	15	8.94	10
DCYC1770A-150M-C	15	11.3	12.5	12.6	15.5
DCYC1770A-220M-C	22	9.5	9.2	21.04	22.2
DCYC1770A-330M-C	33	8.2	8.5	34.75	37
DCYC1770A-470M-C	47	6.7	6.8	39.86	46
DCYC1770A-680M-C	68	5.5	6	55.45	60

Inductance (L0) 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