



### Dimensions

Code	A	B	C	D	E
Dimensions (mm)	17.20±0.3	16.85±0.3	7.0max	12.0±0.3	2.8±0.3

### Specifications

Characteristic	L0 (μH)	I <sub>rms</sub> (A)	I <sub>sat</sub> (A)	DCR <sub>typ</sub> (mΩ)	DCR <sub>max</sub> (mΩ)
DCYA1770A-1R0M-F	1.0	33.0	48.0	1.40	1.55
DCYA1770A-1R5M-F	1.5	25.5	46.0	2.05	2.25
DCYA1770A-2R2M-F	2.2	24.0	28.0	2.40	2.65
DCYA1770A-3R3M-F	3.3	21.0	22.0	3.10	3.40
DCYA1770A-4R7M-F	4.7	18.0	20.0	4.40	4.72
DCYA1770A-6R8M-F	6.8	12.0	18.0	6.55	7.55
DCYA1770A-8R2M-F	8.2	12.0	16.0	8.10	8.70
DCYA1770A-100M-F	10.0	12.0	14.0	9.30	10.00
DCYA1770A-150M-F	15.0	9.0	14.0	14.50	15.50
DCYA1770A-220M-F	22.0	8.0	11.0	20.50	23.00
DCYA1770A-330M-F	33.0	6.0	9.0	35.10	37.00
DCYA1770A-470M-F	47.0	5.5	8.0	41.00	47.00
DCYA1770A-680M-F	68.0	5.2	6.0	51.00	60.00

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