



### Dimensions

Code	A	B	C	D	E
Dimensions (mm)	11.1±0.4	10.2±0.2	3.0max	3.0±0.5	1.8min

### Specifications

Characteristic	L0 (μH)	I <sub>rms</sub> (A)	I <sub>sat</sub> (A)	DCR <sub>typ</sub> (mΩ)	DCR <sub>max</sub> (mΩ)
DCYA1030-R12M-T	0.12	30.0	75.0	0.55	0.61
DCYA1030-R36M-T	0.36	23.0	28.0	1.10	1.30
DCYA1030-R47M-T	0.47	20.0	26.0	1.50	2.00
DCYA1030-R68M-T	0.68	21.0	23.0	2.90	3.40
DCYA1030-1R0M-T	1.0	15.0	21.0	5.50	6.00
DCYA1030-1R5M-T	1.5	13.5	20.0	6.50	7.50
DCYA1030-2R2M-T	2.2	13.0	16.0	8.40	9.00
DCYA1030-3R3M-T	3.3	9.0	14.0	14.50	16.00
DCYA1030-4R7M-T	4.7	7.0	13.0	20.50	22.50
DCYA1030-8R2M-T	8.2	5.0	8.5	35.00	38.50
DCYA1030-100M-T	10.0	5.0	7.5	40.00	44.00
DCYA1030-150M-T	15.0	4.0	6.0	59.00	65.00
DCYA1030-220M-T	22.0	3.0	5.0	90.00	99.00

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-125°C