



Dimensions

Code	A	B	C	D
Dimensions (mm)	4.1±0.2	4.1±0.2	2.0max	1.2typ

Specifications

Characteristic	L0 (μH)	I _{rms} (A)	I _{sat} (A)	DCR _{typ} (mΩ)	DCR _{max} (mΩ)
DCTA0420A-R12M-E	0.12	22.0	24.0	1.30	1.60
DCTA0420A-R24M-E	0.24	20.0	17.0	2.35	2.70
DCTA0420A-R33M-E	0.33	17.5	11.5	3.20	3.85
DCTA0420A-R47M-E	0.47	16.0	13.5	4.10	5.10
DCTA0420A-R56M-E	0.56	14.0	11.0	5.50	6.30
DCTA0420A-R68M-E	0.68	12.5	10.0	6.20	7.20
DCTA0420A-1R0M-E	1.0	11.5	9.0	7.50	9.00
DCTA0420A-1R2M-E	1.2	11.2	7.5	9.00	11.0
DCTA0420A-1R5M-E	1.5	10.0	7.5	12.3	14.5
DCTA0420A-2R2M-E	2.2	8.0	6.5	17.5	21.0
DCTA0420A-3R3M-E	3.3	6.5	5.5	30.0	34.5
DCTA0420A-4R7M-E	4.7	5.5	4.0	45.0	52.0

Inductance (L0) Test Parameters: 1MHz, 1.0V _{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-125°C