



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)
DCTC0420A-R08M-E	0.08	30	30	1.45	1.6
DCTC0420A-R12M-E	0.12	22	24.0	1.3	1.6
DCTC0420A-R24M-E	0.24	20	17	2.4	2.7
DCTC0420A-R33M-E	0.33	17.5	11.5	3.2	3.9
DCTC0420A-R47M-E	0.47	16	13.5	4.1	5.1
DCTC0420A-R56M-E	0.6	14	11	5.5	6.3
DCTC0420A-R68M-E	0.68	12.5	10	6.2	7.2
DCTC0420A-1R0M-E	1	11.5	9	7.5	9.0
DCTC0420A-1R2M-E	1.2	11.2	7.5	9.0	11.0
DCTC0420A-1R5M-E	1.5	10	7.5	12.3	14.5
DCTC0420A-2R2M-E	2.2	8	6.5	17.5	21
DCTC0420A-3R3M-E	3.3	6.5	5.5	30	34.5
DCTC0420A-4R7M-E	4.7	5.5	4	45	52

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