



Dimensions

Code	A	B	C	D
Dimensions (mm)	2.0±0.2	1.6±0.2	1.0 max.	0.6 typ.

Specifications

Characteristic	L0 (μH)	I _{rms} (A)	I _{sat} (A)	DCR _{typ} (mΩ)	DCR _{max} (mΩ)
DCTC201610S-R10M-E	0.1	6.5	9	7.5	9
DCTC201610S-R15M-E	0.15	5.4	6.4	11.5	14
DCTC201610S-R24M-E	0.24	5	6.8	14.0	17.0
DCTC201610S-R33M-E	0.33	4.2	5.1	19.0	23.0
DCTC201610S-R47M-E	0.47	4.7	5.0	20.0	25.0
DCTC201610S-R56M-E	0.6	3.6	3.8	29.0	35.0
DCTC201610S-R68M-E	0.68	3.4	3.6	33.0	40.0
DCTC201610S-1R0M-E	1	3.4	3.8	40.0	48.0
DCTC201610S-1R5M-E	1.5	2.3	2.8	66.0	80.0
DCTC201610S-2R2M-E	2.2	1.7	2.5	100.0	120.0
DCTC201610S-3R3M-E	3.3	1.2	1.5	208	250

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