



### Dimensions

Code	A	B	C	D
Dimensions (mm)	2.5±0.2	2.0±0.2	1.0max	0.7typ

### Specifications

Characteristic	L0 (μH)	I <sub>rms</sub> (A)	I <sub>sat</sub> (A)	DCR <sub>typ</sub> (mΩ)	DCR <sub>max</sub> (mΩ)
DCTC252010S-R22M-E	0.22	5.5	7	12	18
DCTC252010S-R33M-E	0.33	4.8	6.6	15	20
DCTC252010S-R47M-E	0.47	4.4	6	19.0	25.0
DCTC252010S-R68M-E	0.68	3.5	5	30.0	40.0
DCTC252010S-1R0M-E	1	3.4	4.6	41.0	52.0
DCTC252010S-1R5M-E	1.5	2.5	3.5	65.0	85.0
DCTC252010S-2R2M-E	2.2	2.1	3	88.0	110.0
DCTC252010S-3R3M-E	3.3	1.6	2.3	140.0	170.0
DCTC252010S-4R7M-E	4.7	1.3	1.8	220.0	262.0

Inductance (L0) Test Parameters: 1MHz, 1.0Vrms, 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