



### Dimensions

Code	A	B	C	D
Dimensions (mm)	3.2±0.2	2.5±0.2	1.2 Max.	0.7 typ.

### Specifications

Characteristic	L0 (μH)	I <sub>rms</sub> (A)	I <sub>sat</sub> (A)	DCR <sub>typ</sub> (mΩ)	DCR <sub>max</sub> (mΩ)
DCTC322512S-R15M-E	0.15	6.8	11.6	10	12
DCTC322512S-R22M-E	0.22	6	10.0	12.5	15
DCTC322512S-R33M-E	0.33	5.8	9.5	13.0	16.0
DCTC322512S-R47M-E	0.47	5.1	8.2	18.0	22.0
DCTC322512S-R68M-E	0.68	4.4	6.1	22.0	26.0
DCTC322512S-1R0M-E	1.0	3.8	4.8	26.0	32.0
DCTC322512S-1R5M-E	1.5	3.1	3.9	39.0	48.0
DCTC322512S-2R2M-E	2.2	2.6	3.4	55.0	68.0
DCTC322512S-3R3M-E	3.3	2	2.6	86.0	108.0
DCTC322512S-4R7M-E	4.7	1.6	2.3	127.0	157.0
DCTC322512S-6R8M-E	6.8	1.3	2	170	220

Inductance (L0) Test Parameters: 1MHz, 1.0V<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