



Dimensions

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

Specifications

Characteristic	L0 (μH)	I _{rms} (A)	I _{sat} (A)	DCR _{typ} (m Ω)	DCR _{max} (m Ω)
DCTA322512S-R15M-E	0.15	6.8	11.6	10.0	12.0
DCTA322512S-R33M-E	0.33	5.8	9.5	13.0	16.0
DCTA322512S-R47M-E	0.47	5.1	8.2	18.0	22.0
DCTA322512S-R68M-E	0.68	4.4	6.1	22.0	26.0
DCTA322512S-1R0M-E	1.0	3.8	4.8	26.0	32.0
DCTA322512S-1R5M-E	1.5	3.1	3.9	39.0	48.0
DCTA322512S-2R2M-E	2.2	2.6	3.4	55.0	68.0
DCTA322512S-3R3M-E	3.3	2.0	2.6	86.0	108.0
DCTA322512S-4R7M-E	4.7	1.6	2.3	127.0	157.0

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