



Dimensions

Code	A	B	C	D
Dimensions (mm)	2.5±0.2	2.0±0.2	1.2max	0.7typ

Specifications

Characteristic	L0 (μH)	I _{rms} (A)	I _{sat} (A)	DCR _{typ} (mΩ)	DCR _{max} (mΩ)
DCTA252012S-R15M-E	0.15	5.8	8.7	10.6	12.8
DCTA252012S-R22M-E	0.22	5.7	8.0	11.2	13.5
DCTA252012S-R33M-E	0.33	5.1	7.5	14.0	18.0
DCTA252012S-R47M-E	0.47	4.9	6.7	16.0	20.0
DCTA252012S-R68M-E	0.68	4.5	6.0	26.0	30.0
DCTA252012S-1R0M-E	1.0	4.1	5.5	32.0	40.0
DCTA252012S-1R5M-E	1.5	2.7	3.8	50.0	60.0
DCTA252012S-2R2M-E	2.2	2.6	3.5	70.0	84.0
DCTA252012S-3R3M-E	3.3	1.8	2.9	105.0	130.0
DCTA252012S-4R7M-E	4.7	1.5	2.1	165.0	200.0

Inductance (L0) Test Parameters: 1MHz, 1.0V_{rms}, 0.0Adc, +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