

Core **Toroid 55/32/18**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.651	mm ⁻¹
Ve	effective volume	26580	mm ³
Le	effective length	132	mm
Ae	effective area	202	mm ²
m	mass of core	≈ 134	g/pcs

Epoxy coating DC isolation voltage 2000.

Maximum operating temperature of the coating is 200°C.

Dimensions (mm)

Cores	OD	ID	H	
T55/32/18	55.4 ± 1.6	32.4 ± 0.9	18 ± 0.7	Uncoated
TX55/32/18	57.5 max	31.1 min	19.2 max	Epoxy Coated

Core data

Cores	Material	AI (nH/turns ²)	AI tolerance	μe
T55/32/18	3C94	4440	± 25%	≈ 2300
T55/32/18	3E10	18400	± 20%	≈ 9500
T55/32/18	3E27	10600	± 25%	≈ 5500
T55/32/18	3E6 (3E10-M)	18400	± 30%	≈ 9500
T55/32/18	3E65	10000	± 25%	≈ 5200

Core data

Cores	Material	AI (nH/turns ²)	AI tolerance	μe
TX55/32/18	3C94	4440	± 25%	≈ 2300
TX55/32/18	3E10	18400	± 20%	≈ 9500
TX55/32/18	3E27	10600	± 25%	≈ 5500
TX55/32/18	3E6 (3E10-M)	18400	± 30%	≈ 9500
TX55/32/18	3E65	10000	± 25%	≈ 5200