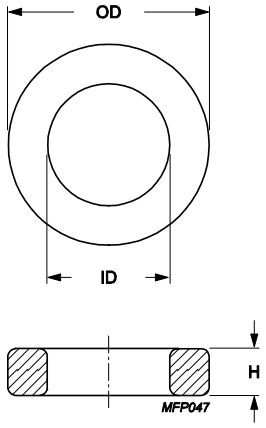
Core **Toroid 58/41/18**



Effective parameters			
	Parameter	**Value**	**Unit**
Σ(I/A)	*core factor (C1)*	1	mm^{-1}
Ve	*effective volume*	23200	mm^3
Le	*effective length*	152	mm
Ae	*effective area*	152	mm^2
m	*mass of core*	≈ 110	g/pcs

Epoxy coating DC isolation voltage 2000.

Maximum operating temperature of the coating is 200ºC.

Dimensions (mm)				
Cores	**OD**	**ID**	**H**	
T58/41/18	58.3 ± 1	40.8 ± 0.8	17.6 ± 0.4	Uncoated
TX58/41/18	59.8 max	39.6 min	18.6 max	Epoxy Coated

Core data				
Cores	**Material**	**Al (nH/turns²)**	**Al tolerance**	**μe**
T58/41/18	3C94	2980	± 25%	≈ 2300
T58/41/18	3E10	12300	± 20%	≈ 9500
T58/41/18	3E27	7120	± 25%	≈ 5500
T58/41/18	3E6 (3E10-M)	12300	± 30%	≈ 9500
T58/41/18	3E65	6730	± 25%	≈ 5200
Core data				
Cores	**Material**	**Al (nH/turns²)**	**Al tolerance**	**μe**
TX58/41/18	3C94	2980	± 25%	≈ 2300
TX58/41/18	3E10	12300	± 20%	≈ 9500
TX58/41/18	3E27	7120	± 25%	≈ 5500
TX58/41/18	3E6 (3E10-M)	12300	± 30%	≈ 9500
TX58/41/18	3E65	6730	± 25%	≈ 5200