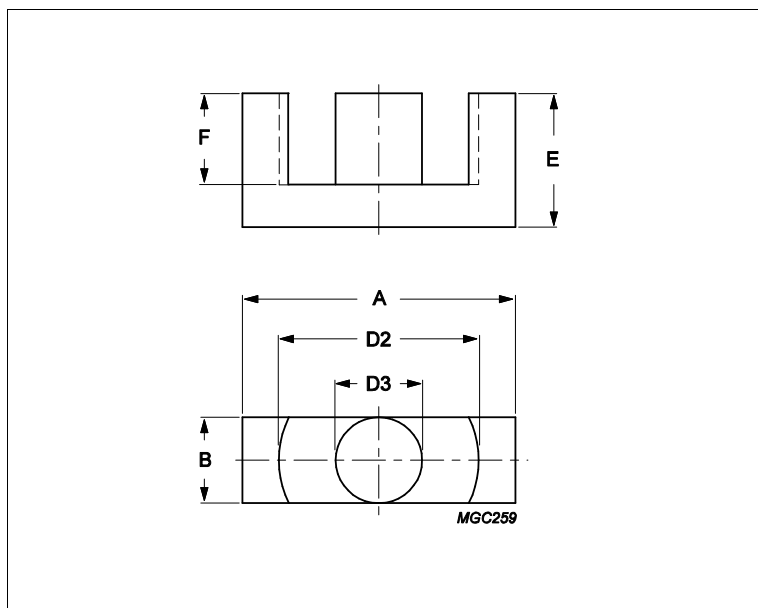


Core **ETD54/28/19**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.454	mm ⁻¹
Ve	effective volume	35500	mm ³
Le	effective length	127	mm
Ae	effective area	280	mm ²
Amin	minimum area	270	mm ²
m	ETD54/28/19	≈ 90	g/pcs

Dimensions for product: ETD54/28/19

	Nom	Tol +	Tol -	Max	Min	Unit
A	54.50	1.30	1.30	55.80	53.20	mm
B	18.90	0.40	0.40	19.30	18.50	mm
D2	41.20	1.10	1.10	42.30	40.10	mm
D3	18.90	0.40	0.40	19.30	18.50	mm
E	27.60	0.20	0.20	27.80	27.40	mm
F	20.20	0.40	0.40	20.60	19.80	mm

Inductance factor

Material	Value	Tol +	Tol -	Unit
3C94	5000	25%	25%	nH/turns ²
3C95	6120	25%	25%	nH/turns ²
3C97	6120	25%	25%	nH/turns ²
3F36	3300	25%	25%	nH/turns ²

Power loss: 3C94

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	18.000	W/set

Power loss: 3C95

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	17.000	W/set
100 kHz	200 mT	25 °C	18.000	W/set

Power loss: 3C97

Measuring conditions			Max	Unit
100 kHz	200 mT	60 °C	18.000	W/set

Core **ETD54/28/19**

Power loss: 3C97

Measuring conditions			Max	Unit
100 kHz	200 mT	120 °C	17.000	W/set
100 kHz	200 mT	140 °C	21.000	W/set

Power loss: 3F36

Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	6.800	W/set
500 kHz	100 mT	100 °C	47.000	W/set

Bsat

Measuring conditions			Material	Min	Unit
25 kHz	250 A/m	100 °C	3C94	320	mT
25 kHz	250 A/m	100 °C	3C95	330	mT
25 kHz	250 A/m	100 °C	3C97	330	mT
25 kHz	250 A/m	100 °C	3F36	340	mT

Accessories

Ordering name	Description	Ordering code
CLI-ETD54	Clip	432202100681
CPH-ETD54-1S-22P	Coil former, termoplastic, horizontal	432202100671
CPH-ETD54-1S-22P-TZ	Coil former, termoplastic, horizontal	432202106701