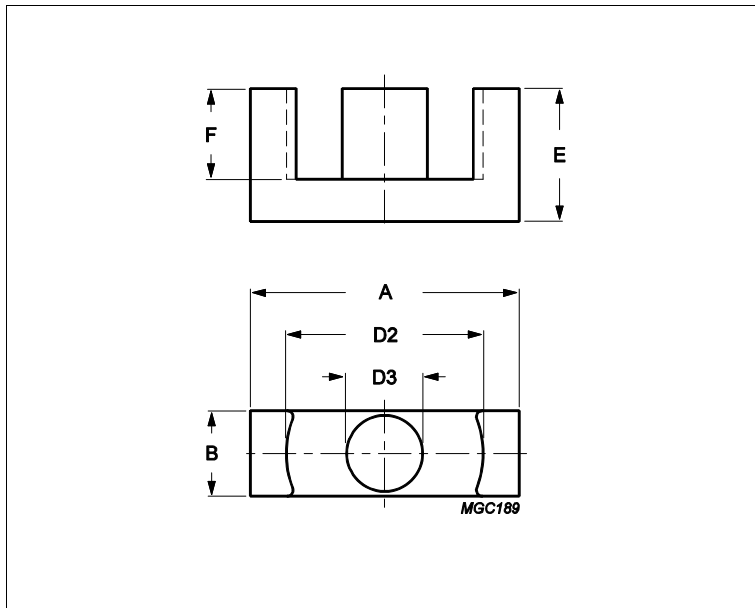


Core **ER42/22/15**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.582	mm ⁻¹
Ve	effective volume	16800	mm ³
Le	effective length	99	mm
Ae	effective area	170	mm ²
Amin	minimum area	170	mm ²
m	ER42/22/15	≈ 42	g/pcs

Dimensions for product: ER42/22/15						
	Nom	Tol +	Tol -	Max	Min	Unit
A	42.00	1.00	0.70	43.00	41.30	mm
B	15.00	0.00	0.60	15.00	14.40	mm
D2	30.40	1.20	0.00	31.60	30.40	mm
D3	15.00	0.00	0.60	15.00	14.40	mm
E	21.80	0.00	0.40	21.80	21.40	mm
F	15.60	0.70	0.00	16.30	15.60	mm

Inductance factor				
Material	Value	Tol +	Tol -	Unit
3C94	4000	25%	25%	nH/turns ²

Power loss: 3C94				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	8.400	W/set

Bsat					
Measuring conditions			Material	Min	Unit
25 kHz	250 A/m	100 °C	3C94	320	mT