

Core

U20/16/7

Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	1.21	mm ⁻¹
Ve	effective volume	3800	mm ³
Le	effective length	68	mm
Ae	effective area	56	mm ²
Amin	minimum area		mm ²
m	U20/16/7	≈ 9	g/pcs

Dimensions for product: U20/16/7						
	Nom	Tol +	Tol -	Max	Min	Unit
A	20.80	0.60	0.60	21.40	20.20	mm
B	6.40	0.40	0.40	6.80	6.00	mm
C	8.30	0.30	0.30	8.60	8.00	mm
D	15.60	0.20	0.20	15.80	15.40	mm
E	7.50	0.25	0.25	7.75	7.25	mm

Inductance factor				
Material	Value	Tol +	Tol -	Unit
3C90	1900	25%	25%	nH/turns ²
3C94	1900	25%	25%	nH/turns ²

Power loss: 3C90				
Measuring conditions			Max	Unit
25 kHz	200 mT	100 °C	0.460	W/set

Power loss: 3C94				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	1.900	W/set

Bsat				
Measuring conditions			Material	Unit
25 kHz	250 A/m	100 °C	3C90	mT
25 kHz	250 A/m	100 °C	3C94	mT

Accessories		
Ordering name	Description	Ordering code

Core **U20/16/7**

CPH-U20/16/7-1S-4P	Coil former, termoplastic, horizontal	432202107091
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