

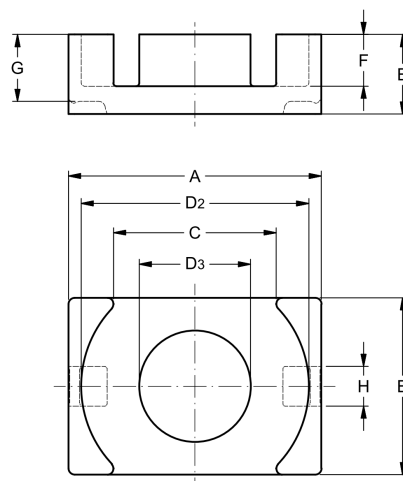
Core type:

EQ20/R

Selling unit: **PCS**

Product dimensions (mm): EQ20/R

	Nom	Tol +	Tol -	Max	Min
A	20.00	0.35	0.35	20.35	19.65
B	14.00	0.30	0.30	14.30	13.70
C	12.86	0.35	0.35	13.21	12.51
D2	18.00	0.35	0.35	18.35	17.65
D3	8.80	0.15	0.15	8.95	8.65
E	6.30	0.10	0.10	6.40	6.20
F	4.10	0.15	0.15	4.25	3.95
G	5.30	0.15	0.15	5.45	5.15
H	2.90	0.10	0.10	3.00	2.80



Effective parameters

Effective area	Minimum area	Effective length	Effective volume	Core factor
$A_e = 59 \text{ [mm}^2\text{]}$	$A_{min} = 55 \text{ [mm}^2\text{]}$	$L_e = 33.2 \text{ [mm]}$	$V_e = 1960 \text{ [mm}^3\text{]}$	$C_1 = 0.563 \text{ [mm}^{-1}\text{]}$

Inductance factor

Material	Value	Tol +	Tol -	Measuring conditions			Unit
3C95	4160	25%	25%	10 kHz	< 0.1 mT	25°C	nH/turns ²
3C96	3150	25%	25%	10 kHz	< 0.1 mT	25°C	nH/turns ²
3F36	2500	25%	25%	10 kHz	< 0.1 mT	25°C	nH/turns ²
3F46	1500	25%	25%	10 kHz	< 0.1 mT	25°C	nH/turns ²

Power loss

Material	Symbol	Value	Measuring conditions			Unit
3C95	Pv	< 0.94	100 kHz	200 mT	100°C	W/set
3C95	Pv	< 1	100 kHz	200 mT	25°C	W/set
3C96	Pv	< 0.88	100 kHz	200 mT	100°C	W/set
3C96	Pv	< 0.35	400 kHz	50 mT	100°C	W/set
3F36	Pv	< 0.29	500 kHz	50 mT	100°C	W/set
3F36	Pv	< 2.3	500 kHz	100 mT	100°C	W/set
3F46	Pv	< 0.78	1000 kHz	50 mT	100°C	W/set
3F46	Pv	< 0.42	3000 kHz	10 mT	100°C	W/set

Bsat

Material	Symbol	Value	Measuring conditions			Unit
3C95	Bsat	> 330	10 kHz	250 A/m	100°C	mT

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Bsat						
Material	Symbol	Value	Measuring conditions			Unit
3C96	Bsat	> 340	10 kHz	250 A/m	100°C	mT
3F36	Bsat	> 320	10 kHz	250 A/m	100°C	mT
3F46	Bsat	> 330	10 kHz	250 A/m	100°C	mT