

Product Specifications



Core type:

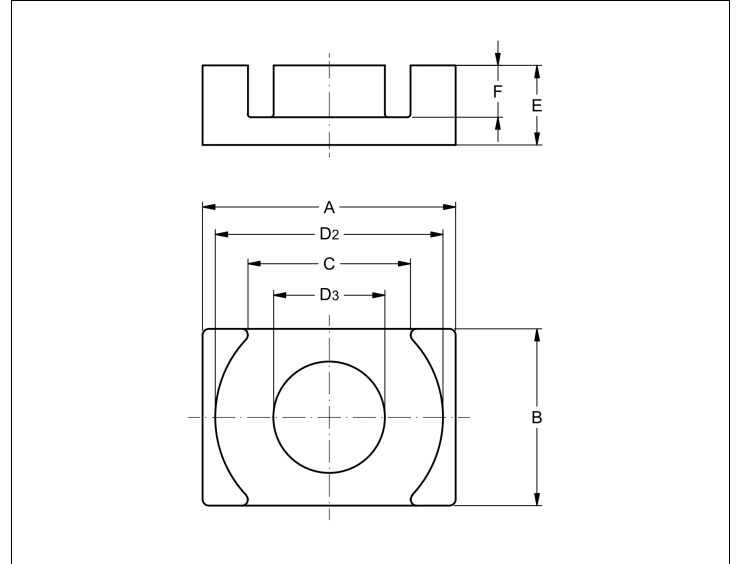
EQ38/8/25

Selling unit:

PCS

Product dimensions (mm): EQ38/8/25

	Nom	Tol +	Tol -	Max	Min
A	38.10	0.70	0.70	38.80	37.40
B	25.40	0.50	0.50	25.90	24.90
C	24.76	0.50	0.50	25.26	24.26
D2	33.10	0.60	0.60	33.70	32.50
D3	14.00	0.20	0.20	14.20	13.80
E	8.00	0.15	0.15	8.15	7.85
F	5.30	0.20	0.20	5.50	5.10



Effective parameters

Effective area	Minimum area	Effective length	Effective volume	Core factor
$A_e = 152 \text{ [mm}^2\text{]}$	$A_{min} = 119 \text{ [mm}^2\text{]}$	$L_e = 51.9 \text{ [mm]}$	$V_e = 7900 \text{ [mm}^3\text{]}$	$C_1 = 0.341 \text{ [mm}^{-1}\text{]}$

Inductance factor

Material	Value	Tol +	Tol -	Measuring conditions			Unit
3C95	8810	25%	25%	10 kHz	< 0.1 mT	25°C	nH/turns ²
3C96	6300	25%	25%	10 kHz	< 0.1 mT	25°C	nH/turns ²
3F36	4100	25%	25%	10 kHz	< 0.1 mT	25°C	nH/turns ²
3F4	3000	25%	25%	10 kHz	< 0.1 mT	25°C	nH/turns ²

Power loss

Material	Symbol	Value	Measuring conditions			Unit
3C95	Pv	< 3.8	100 kHz	200 mT	100°C	W/set
3C95	Pv	< 4.1	100 kHz	200 mT	25°C	W/set
3C96	Pv	< 3.6	100 kHz	200 mT	100°C	W/set
3C96	Pv	< 1.5	400 kHz	50 mT	100°C	W/set
3F36	Pv	< 1.2	500 kHz	50 mT	100°C	W/set
3F36	Pv	< 9.1	500 kHz	100 mT	100°C	W/set
3F4	Pv	< 2.4	1000 kHz	30 mT	100°C	W/set
3F4	Pv	< 3.9	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

Product Specifications



Core type:

EQ38/8/25

Selling unit:

PCS

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
3F4	Bsat	> 330	10 kHz	250 A/m	100°C	mT