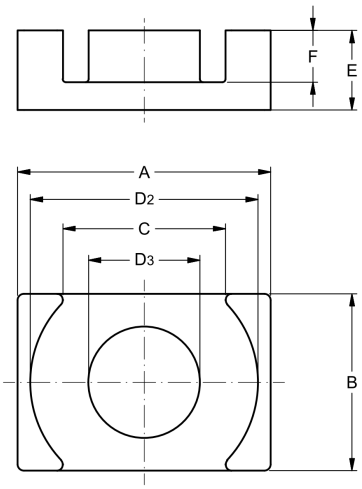
Product Specifications

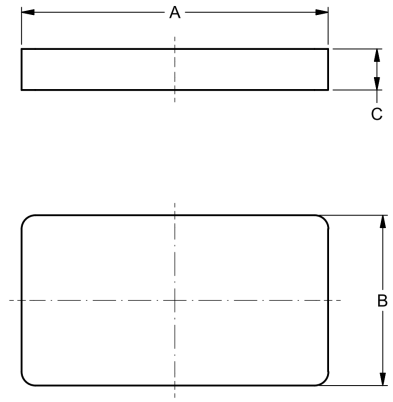
FERROXCUBE

Core type:	**EQ25/LP + PLT25/18/2**
Selling unit:	**PCS**

Product dimensions (mm): EQ25/LP					
	Nom	**Tol +**	**Tol -**	**Max**	**Min**
A	25.00	0.40	0.40	25.40	24.60
B	18.00	0.30	0.30	18.30	17.70
C	15.20	0.70	0.70	15.90	14.50
D2	22.00	0.40	0.40	22.40	21.60
D3	11.00	0.20	0.20	11.20	10.80
E	5.60	0.05	0.05	5.65	5.55
F	3.20	0.15	0.15	3.35	3.05



Product dimensions (mm): PLT25/18/2					
	Nom	**Tol +**	**Tol -**	**Max**	**Min**
A	25.00	0.40	0.40	25.40	24.60
B	18.00	0.30	0.30	18.30	17.70
C	2.30	0.05	0.05	2.35	2.25



Effective parameters				
Effective area	**Minimum area**	**Effective length**	**Effective volume**	**Core factor**
Ae = 89.7 [mm²]	Amin = 82.8 [mm²]	Le = 26.4 [mm]	Ve = 2370 [mm³]	C1 = 0.294 [mm⁻¹]

Inductance factor							
Material	**Value**	**Tol +**	**Tol -**	**Measuring conditions**			**Unit**
3C95	7130	25%	25%	10 kHz	< 0.1 mT	25°C	nH/turns²
3C96	5600	25%	25%	10 kHz	< 0.1 mT	25°C	nH/turns²
3F36	3800	25%	25%	10 kHz	< 0.1 mT	25°C	nH/turns²
3F46	2600	25%	25%	10 kHz	< 0.1 mT	25°C	nH/turns²

Power loss

Core type:	EQ25/LP + PLT25/18/2
Selling unit:	PCS

Material	Symbol	Value	Measuring conditions			Unit
3C95	Pv	< 1.1	100 kHz	200 mT	100°C	W/set
3C95	Pv	< 1.2	100 kHz	200 mT	25°C	W/set
3C96	Pv	< 1.1	100 kHz	200 mT	100°C	W/set
3C96	Pv	< 0.43	400 kHz	50 mT	100°C	W/set
3F36	Pv	< 0.36	500 kHz	50 mT	100°C	W/set
3F36	Pv	< 2.7	500 kHz	100 mT	100°C	W/set
3F46	Pv	< 1.1	1000 kHz	50 mT	100°C	W/set
3F46	Pv	< 0.68	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
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