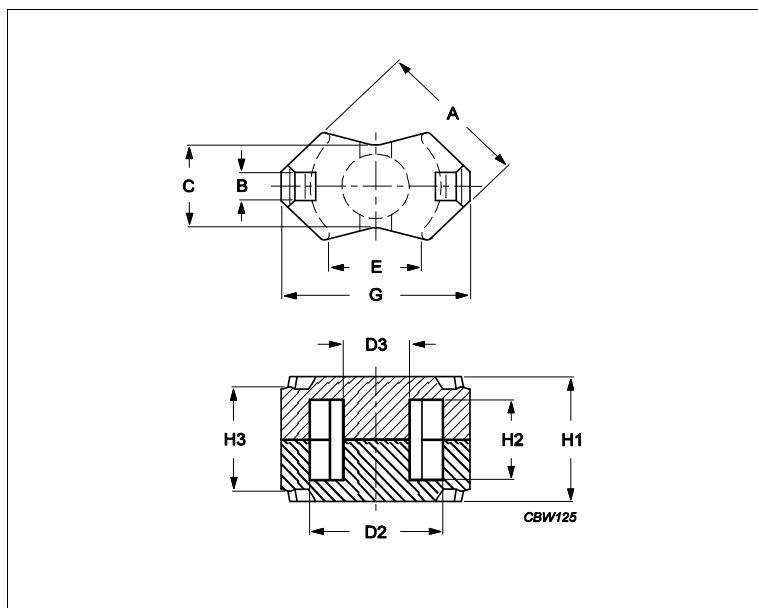


Core **RM6S/ILP**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.58	mm ⁻¹
Ve	effective volume	820	mm ³
Le	effective length	21.8	mm
Ae	effective area	37.5	mm ²
Amin	minimum area	31.2	mm ²
m	RM6S/ILP	≈ 4.4	g/set

Dimensions for product: RM6S/ILP

	Nom	Tol +	Tol -	Max	Min	Unit
A	14.70	0.00	0.60	14.70	14.10	mm
B	2.80			2.80	2.80	mm
C	8.20	0.00	0.40	8.20	7.80	mm
D2	12.40	0.50	0.00	12.90	12.40	mm
D3	6.40	0.00	0.20	6.40	6.20	mm
E					8.40	mm
G	17.90	0.00	0.70	17.90	17.20	mm
H1	9.00	0.00	0.20	9.00	8.80	mm
H2	4.50	0.40	0.00	4.90	4.50	mm
H3	6.84	0.25	0.25	7.09	6.59	mm

Inductance factor

Material	Value	Tol +	Tol -	Unit
3C94	3175	25%	25%	nH/turns ²
3C95	3730	25%	25%	nH/turns ²
3C96	2900	25%	25%	nH/turns ²
3D3	1350	25%	25%	nH/turns ²
3F36	2200	25%	25%	nH/turns ²
3F46	1400	25%	25%	nH/turns ²
3H3	2900	25%	25%	nH/turns ²

Power loss: 3C94

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.410	W/set

Core **RM6S/ILP**

Power loss: 3C95				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.390	W/set
100 kHz	200 mT	25 °C	0.430	W/set
Power loss: 3C96				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.370	W/set
400 kHz	50 mT	100 °C	0.150	W/set
Power loss: 3F36				
Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	0.120	W/set
500 kHz	100 mT	100 °C	0.940	W/set
Power loss: 3F46				
Measuring conditions			Max	Unit
1000 kHz	50 mT	100 °C	0.330	W/set
3000 kHz	10 mT	100 °C	0.130	W/set

Bsat					
Measuring conditions			Material	Min	Unit
25 kHz	250 A/m	100 °C	3C94	320	mT
25 kHz	250 A/m	100 °C	3C95	330	mT
25 kHz	250 A/m	100 °C	3C96	340	mT
25 kHz	250 A/m	100 °C	3F36	340	mT
25 kHz	250 A/m	100 °C	3F46	330	mT

Accessories		
Ordering name	Description	Ordering code
CLI-RM6/ILP	Clip	432202101801
CLI-RM6/ILP-SV	Clip	432202107431
CSV5-RM6S/LP-1S-8P	Coil former, termoset, vertical, SMD	432202102891
CSV5-RM6S/LP-1S-8P-B	Coil former, termoset, vertical, SMD	432202103431