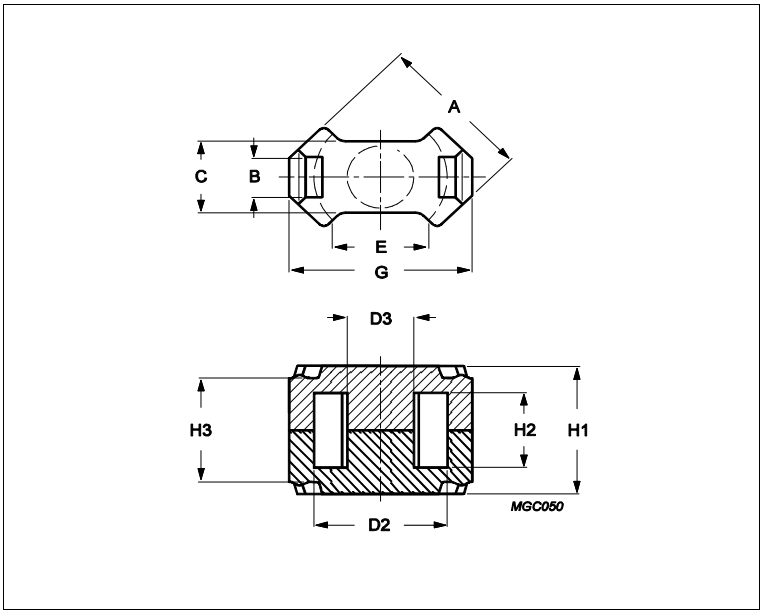
Core **RM5/ILP**



Effective parameters			
	Parameter	**Value**	**Unit**
Σ(I/A)	*core factor (C1)*	0.71	mm^{-1}
Ve	*effective volume*	430	mm^3
Le	*effective length*	17.5	mm
Ae	*effective area*	24.5	mm^2
Amin	*minimum area*	18.1	mm^2
m	*RM5/ILP*	≈ 2.6	g/set

Dimensions for product: RM5/ILP						
	Nom	**Tol +**	**Tol -**	**Max**	**Min**	**Unit**
A	12.30	0.00	0.50	12.30	11.80	mm
B	2.50			2.50	2.50	mm
C	6.80	0.00	0.40	6.80	6.40	mm
D2	10.20	0.40	0.00	10.60	10.20	mm
D3	4.90	0.00	0.20	4.90	4.70	mm
E					6.00	mm
G	14.60	0.00	0.60	14.60	14.00	mm
H1	7.80	0.00	0.20	7.80	7.60	mm
H2	3.60	0.40	0.00	4.00	3.60	mm
H3	6.40	0.25	0.25	6.65	6.15	mm

Inductance factor				
Material	**Value**	**Tol +**	**Tol -**	**Unit**
3C94	2350	25%	25%	$nH/turns^2$
3C95	2710	25%	25%	$nH/turns^2$
3C96	2170	25%	25%	$nH/turns^2$
3F36	1700	25%	25%	$nH/turns^2$
3F46	1100	25%	25%	$nH/turns^2$

Power loss: 3C94				
Measuring conditions			**Max**	**Unit**
100 kHz	200 mT	100 ºC	0.210	W/set
Power loss: 3C95				
Measuring conditions			**Max**	**Unit**

Core **RM5/ILP**

Power loss: 3C95				
Measuring conditions			**Max**	**Unit**
100 kHz	200 mT	100 ºC	0.210	W/set
100 kHz	200 mT	25 ºC	0.220	W/set
Power loss: 3C96				
Measuring conditions			**Max**	**Unit**
100 kHz	200 mT	100 ºC	0.190	W/set
400 kHz	50 mT	100 ºC	0.077	W/set
Power loss: 3F36				
Measuring conditions			**Max**	**Unit**
500 kHz	50 mT	100 ºC	0.065	W/set
500 kHz	100 mT	100 ºC	0.490	W/set
Power loss: 3F46				
Measuring conditions			**Max**	**Unit**
1000 kHz	50 mT	100 ºC	0.170	W/set
3000 kHz	10 mT	100 ºC	0.057	W/set

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

Accessories		
Ordering name	**Description**	**Ordering code**
CLI-RM4/5/ILP	Clip	432202135091
CSVS-RM5/LP-1S-8P	Coil former, termoset, vertical, SMD	432202102941