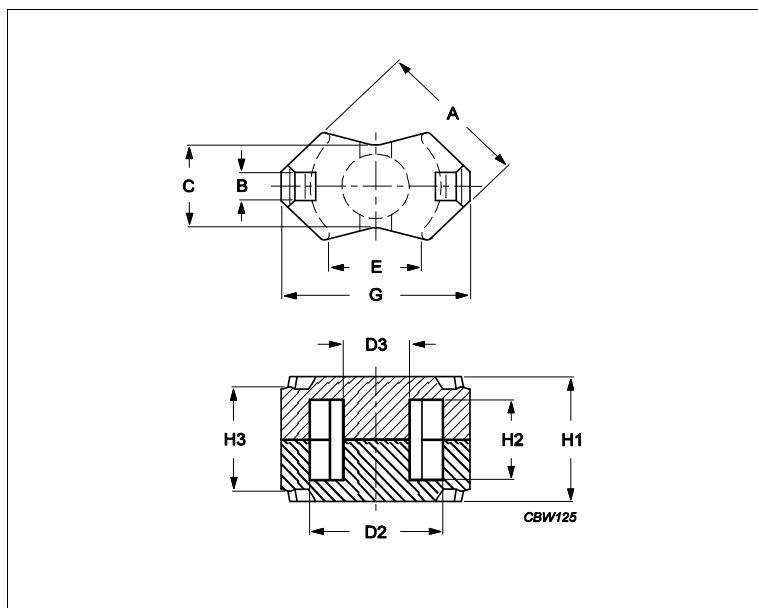


## Core **RM6S/I**



Effective parameters			
	Parameter	Value	Unit
$\Sigma(I/A)$	core factor (C1)	0.784	mm <sup>-1</sup>
<b>Ve</b>	effective volume	1090	mm <sup>3</sup>
<b>Le</b>	effective length	29.2	mm
<b>Ae</b>	effective area	37	mm <sup>2</sup>
<b>Amin</b>	minimum area	31.2	mm <sup>2</sup>
<b>m</b>	RM6S/I	≈ 5.5	g/set

Dimensions for product: RM6S/I

	Nom	Tol +	Tol -	Max	Min	Unit
<b>A</b>	14.70	0.00	0.60	14.70	14.10	mm
<b>B</b>	2.90	0.10	0.10	3.00	2.80	mm
<b>C</b>	8.20	0.00	0.40	8.20	7.80	mm
<b>D2</b>	12.40	0.50	0.00	12.90	12.40	mm
<b>D3</b>	6.40	0.00	0.20	6.40	6.20	mm
<b>E</b>					8.40	mm
<b>G</b>	17.90	0.00	0.70	17.90	17.20	mm
<b>H1</b>	12.40	0.10	0.10	12.50	12.30	mm
<b>H2</b>	8.00	0.40	0.00	8.40	8.00	mm
<b>H3</b>	10.35	0.25	0.25	10.60	10.10	mm

Inductance factor

Material	Value	Tol +	Tol -	Unit
3C94	2600	25%	25%	nH/turns <sup>2</sup>
3C95	3000	25%	25%	nH/turns <sup>2</sup>
3C96	2350	25%	25%	nH/turns <sup>2</sup>
3D3	1050	25%	25%	nH/turns <sup>2</sup>
3F36	1700	25%	25%	nH/turns <sup>2</sup>
3F46	1100	25%	25%	nH/turns <sup>2</sup>
3H3	2350	25%	25%	nH/turns <sup>2</sup>

Power loss: 3C94

Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.540	W/set

## Core **RM6S/I**

Power loss: 3C95				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.520	W/set
100 kHz	200 mT	25 °C	0.570	W/set
Power loss: 3C96				
Measuring conditions			Max	Unit
100 kHz	200 mT	100 °C	0.490	W/set
400 kHz	50 mT	100 °C	0.200	W/set
Power loss: 3F36				
Measuring conditions			Max	Unit
500 kHz	50 mT	100 °C	0.160	W/set
500 kHz	100 mT	100 °C	1.300	W/set
Power loss: 3F46				
Measuring conditions			Max	Unit
1000 kHz	50 mT	100 °C	0.440	W/set
3000 kHz	10 mT	100 °C	0.180	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/P-RM6/I	Clip, with ground pin	432202134301
CLI-RM6/I	Clip	432202134951
CPV-RM6S/I-1S-8PD	Coil former, termoplastic, vertical	432202134042
CPV-RM6S/I-1S-8PD-TZ	Coil former, termoplastic, vertical	432202106641
CSV-RM6S/R-1S-4P-IZ	Coil former, termoset, vertical	432202106891
CSV-RM6S/R-2S-4P-IZ	Coil former, termoset, vertical	432202106901
CSV-RM6S-1S-4P-TZ	Coil former, termoset, vertical	432202106241
CSV-RM6S-1S-6P-G	Coil former, termoset, vertical	432202100991
CSV-RM6S-1S-6P-TZ	Coil former, termoset, vertical	432202106261
CSV-RM6S-1S-8P	Coil former, termoset, vertical	432202100411
CSV-RM6S-2S-4P-C	Coil former, termoset, vertical	432202107401
CSV-RM6S-2S-6P	Coil former, termoset, vertical	432202134601
CSV-S-RM6S-1S-8P	Coil former, termoset, vertical, SMD	432202102901
CSV-S-RM6S-1S-8P-B	Coil former, termoset, vertical, SMD	432202103411
CSV-S-RM6S-1S-8P-T	Coil former, termoset, vertical, SMD	432202103991