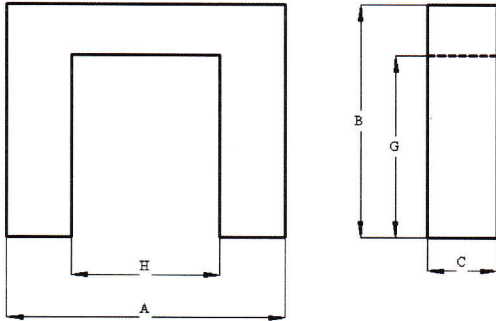


UU100

For use either in pairs or assembled to make large E cores for Kilowatt rated Switched Mode transformers



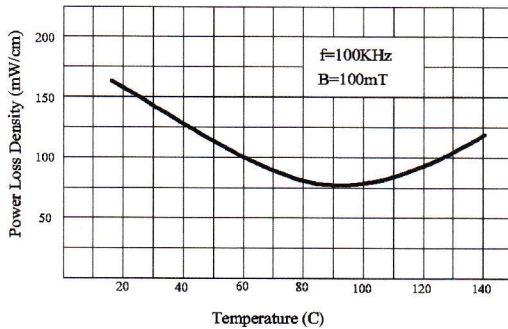
U100 115

	A	B	C	G	H
Max	103.6	57.5	25.9	32.1	-
Min	99.6	56.7	24.5	31.3	49

U9330

	A	B	C	G	H
Max	94.8	76.5	30.6	48.9	37.4
Min	91.2	75.5	29.4	47.1	35.0

Power Loss Vs Temperature



Magnetic Data (for a Pair of U100 115 Cores)

Parameter	symbol	value
Effective magnetic path length	L_e	300mm
Effective area of magnetic path	A_e	620mm ²
Effective magnetic volume	V_e	186000mm ³
$\sum A$	CL	0.48mm ⁻¹

Magnetic Data (for a Pair of U93 Cores)

Parameter	symbol	value
Effective magnetic path length	L_e	185.8mm
Effective area of magnetic path	A_e	228.8mm ²
Effective magnetic volume	V_e	42450mm ³
$\sum A$	CL	0.81mm ⁻¹

Standard Characteristics of Material

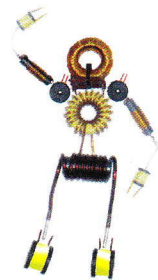
Material/ Core	μ_{iac}	$\tan \delta / \mu_{iac}$ ($\times 10^{-3}$) 10KHz	TC (°C)	f (MHz)	ρ ($\Omega \cdot \text{cm}$)	Bms (mT) (25°C)	Hcms Am	Pc (100KHz) @100mT (Kw/m ³)		Pc (100KHz) @200mT (Kw/m ³)	
								25°C	100°C	25°C	100°C
CF138 U100	4250+30% -20%	>2.5	220	<0.3	100	480	15	<155	<80	<800	<500
CF138 U93	5000+30% -20%	>2.5	220	<0.3	100	480	15	<155	<80	<800	<500

Ferrite U Cores U100 115 and U9330

Data sheet Ref: APS-13 (11/04/05)

PACE

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