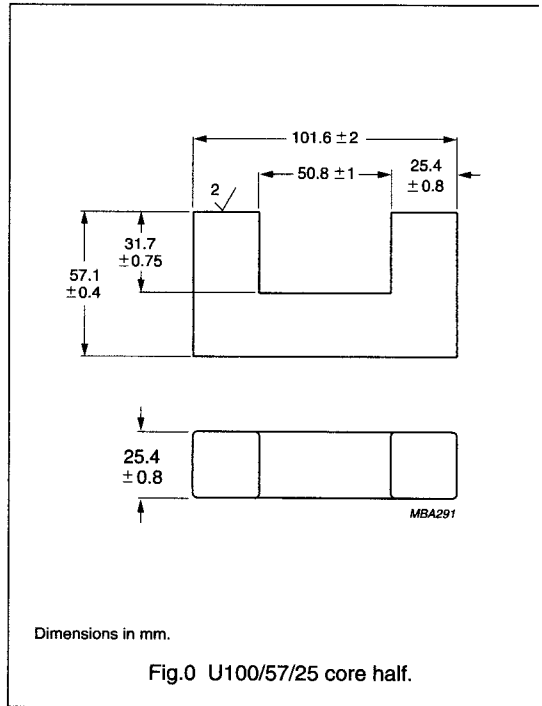


**U CORES**

**Effective core parameters**

SYMBOL	PARAMETER	VALUE	UNIT
$\Sigma(l/A)$	core factor (C1)	0.478	mm <sup>-1</sup>
$V_e$	effective volume	199 000	mm <sup>3</sup>
$l_e$	effective length	308	mm
$A_e$	effective area	645	mm <sup>2</sup>
$m$	mass of core half	≈ 500	g



**Core halves**

$A_L$  measured on a combination of 2 U cores.

GRADE	$A_L$ (nH)	$\mu_e$	TYPE NUMBER
3C90	5500 ±25%	≈ 2200	U100/57/25-3C90
3C94 <small>des</small>	5500 ±25%	≈ 2200	U100/57/25-3C94

**Properties of core sets under power conditions**

GRADE	B (mT) at	CORE LOSS (W) at	
	H = 250 A/m; f = 25 kHz; T = 100 °C	f = 25 kHz; B̂ = 200 mT; T = 100 °C	f = 100 kHz; B̂ = 100 mT; T = 100 °C
3C90	≥ 320	≤ 23	≤ 26
3C94	≥ 320	–	≤ 20