

H cores

CORE SETS

Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
$\Sigma (1/A)$	core factor (C_1)	1.03	mm^{-1}
V_e	effective volume	5197.20	mm^3
l_e	effective length	73.20	mm
A_e	effective area	71.00	mm^2
W_t	mass of core	≈ 28.0	g



尺寸	A	B	C
Coat			
Uncoat	29.0 ± 0.5	19.0 ± 0.5	15.0 ± 0.3
Coated	29.8max	18.2min	15.8max

Note: With grass green epoxy coating

Characteristic

GRADE	AL (nH/N^2)	B (mT)	CORE LOSS (W)
	$f=10\text{kHz}$ $U=0.25\text{V}$	$H=250\text{A/m}$ $f=25\text{kHz}$ $T=100^\circ\text{C}$	$f=100\text{kHz}$ $B=200\text{mT}$ $T=100^\circ\text{C}$
DMR40	$3000 \pm 25\%$	≥ 320	≤ 3.40
DMR44	$3000 \pm 25\%$	≥ 320	≤ 2.80
DMR47	$3200 \pm 25\%$	≥ 340	≤ 2.52
DMR95	$3800 \pm 25\%$	≥ 340	≤ 2.86