



H101×65×15P

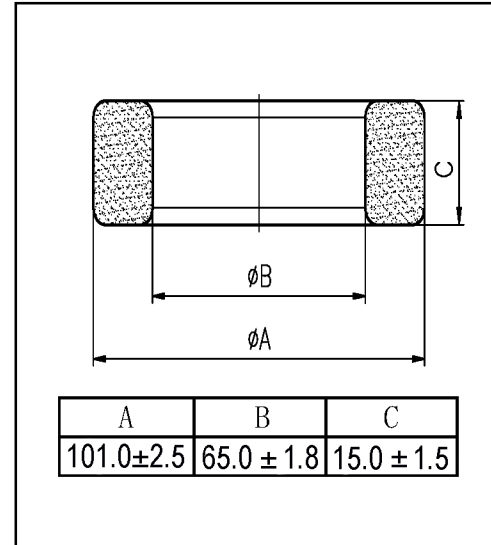


Effective core parameters

SYMBOL	PARAMETER	VALUE	UNIT
$\Sigma (1/A)$	core factor (C_1)	0.95	mm^{-1}
Ve	effective volume	67032.00	mm^3
le	effective length	252.00	mm
Ae	effective area	266.00	mm^2
Wt	mass of core	≈ 337.9	g

Characteristic

GRADE	Z1 Impedance	Z2 Impedance
	Instrument: HP4291B Frequency: $f=25\text{MHz}$ Coil: $N=1\text{Ts}$ $\Phi 1.0\text{mm} \times 200\text{mm}$ Temperature: $T=(25 \pm 2)^\circ\text{C}$	Instrument: HP4291B Frequency: $f=25\text{MHz}$ Coil: $N=1\text{Ts}$ $\Phi 1.0\text{mm} \times 200\text{mm}$ Temperature: $T=(25 \pm 2)^\circ\text{C}$
DN85H	47 min	104 min



DN85H Material Characteristics

Item	Symbol	Condition	Value	Unit
Initial Permeability	μ_i		850 ± 25%	
Working Frequency	f	25°C	0.1-1.5	MHz
Relative Loss Factor	$\tan \delta / \mu_i$	25°C	16 0.1MHz	$\times 10^{-6}$
Saturation Magnetic Flux Density	Bs	25°C	350 1600A/m	mT
Remanence	Br	25°C	200	mT
Coercive Force	Hc	25°C	20	A/m
Relative Temperature Coefficient	$a_{\mu r}$		5-20	$\times 10^{-6}/^\circ\text{C}$ 20°C~60°C
Curie Temperature	Tc		>140	°C
Electrical Resistivity	ρ	25°C	>10 ⁵	$\Omega \cdot \text{m}$
Density	d	25°C	5.1	g/cm^3

