

AITIOU

AIC-1505(C-01)

◎ Amorphous Toroidal Core

◎ Mechanical Properties

Bare Core Dimensions (mm)			Finished Core Dimensions (mm)			Case Material & Color
O.D _{MAX}	I.D _{MIN}	H.T _{±0.2}	O.D _{±0.3}	I.D _{±0.3}	H.T _{±0.3}	
13.3	9.9	3.5	15.5	7.8	5.7	PBT or NYLON, White VS. gray

◎ Typical Parameters and Magnetic Properties

Lm (mm)	Ac (mm ²)	Wa (mm ²)	WaAc (mm ⁴)	Vol (mm ³)	100KHz, 80A/m RT	
					ψc(μ Wb)	Br/Bm(%)
36.42	4.760	47.76	227.335	216.72	10.472	90 MIN

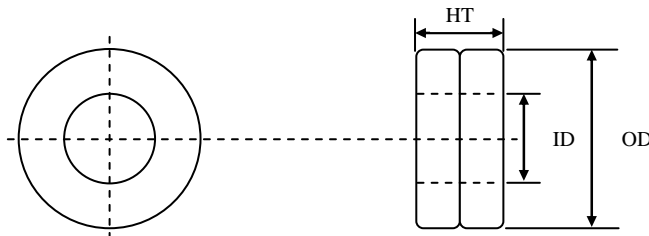
◎ Core Finished Material:

Insulating Covers: UL94V-0 or equivalent

◎ Temperature Range:

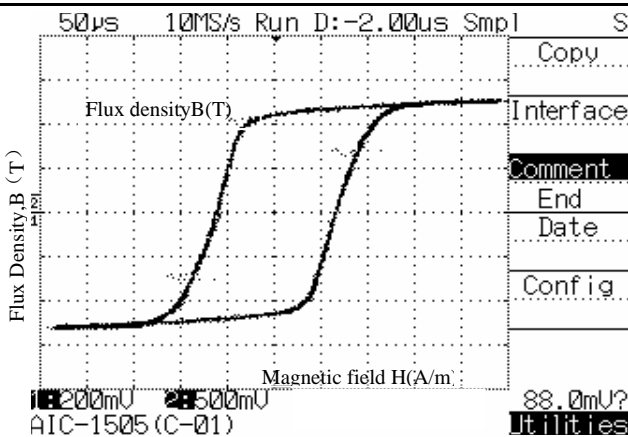
Storage temperature -20 ~ +50°C Ambient Temperature

Operating Temperature -40 ~ +120°C Case Surface Temperature



WIRE	0.8φ	TURNS	0.5 Ts	TEMP.	25°C
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Hysteresis loops of core materials



Hc(A/m)=25 (MAX) @ 100KHz, 80A/m

Magnetic Induction (Gauss) VS. Core Loss

