

AITIOU

AIC-1407(C-02)

◎ 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 _{±0.2}	I.D _{±0.2}	H.T _{±0.2}	
12.5	7.9	4.5	14.4	6.1	6.9	PBT or NYLON, White VS. green

◎ Typical Parameters and Magnetic Properties

Lm (mm)	Ac (mm ²)	Wa (mm ²)	WaAc (mm ⁴)	Vol (mm ³)	100KHz, 80A/m RT	
					$\phi c(\mu \text{ Wb})$	Br/Bm(%)
32.03	8.280	29.21	241.858	331.49	9.11	94 MIN

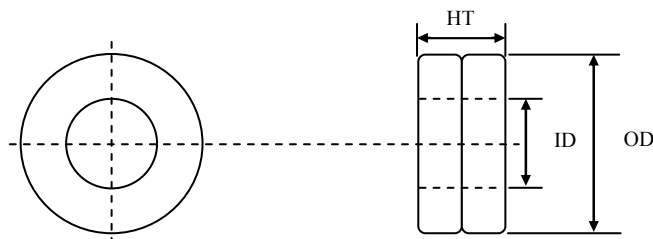
◎ Core Finished Material:

Insulating Covers:UL94V-0 or equivalent

◎ Temperature Range:

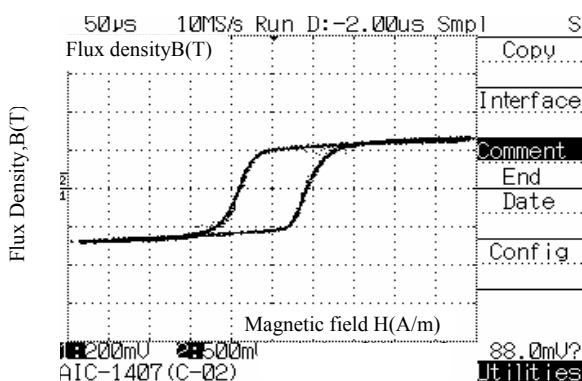
Storage temperature-20 ~ +50 °C Ambient Temperature

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



WIRE	2.0 ϕ	TURNS	0.5 Ts	TEMP.	25 °C
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Hysteresis loops of core materials



Hc(A/m)=20 (MAX) @ 100KHz, 80A/m

Magnetic Induction (Gauss) VS. Core Loss

