

# AITIOU

## AIC-1405(C-02)

◎ Amorphous Toroidal Core

◎ Mechanical Properties

Bare Core Dimensions (mm)			Finished Core Dimensions (mm)			Case Material & Color
O.D <sub>MAX</sub>	I.D <sub>MIN</sub>	H.T <sub>±0.2</sub>	O.D <sub>±0.3</sub>	I.D <sub>±0.3</sub>	H.T <sub>±0.3</sub>	
13.2	8.5	3.5	15.3	6.5	5.7	PBT or NYLON, White VS. green

◎ Typical Parameters and Magnetic Properties

Lm (mm)	Ac (mm <sup>2</sup> )	Wa (mm <sup>2</sup> )	WaAc (mm <sup>4</sup> )	Vol (mm <sup>3</sup> )	100KHz, 80A/m RT	
					$\phi c(\mu \text{ Wb})$	Br/Bm(%)
34.07	6.580	33.17	218.234	280.22	7.24	94 MIN

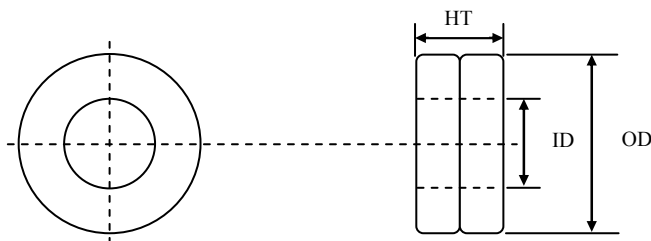
◎ Core Finished Material:

Insulating Covers:UL94V-0 or equivalent

◎ Temperature Range:

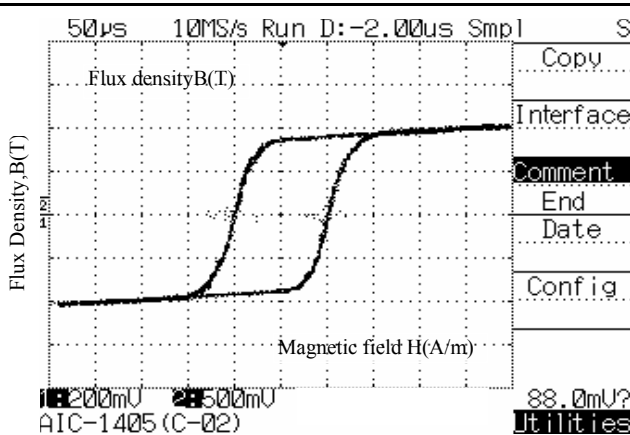
Storage temperature-20 ~ +50 °C Ambient Temperature

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

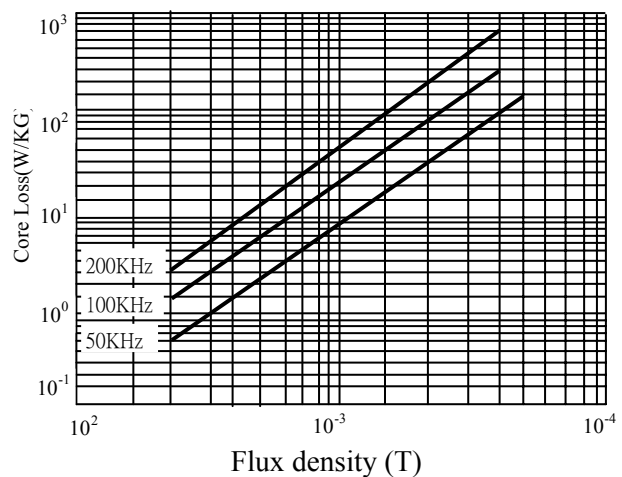


WIRE	2.0ϕ	TURNS	0.5 Ts	TEMP.	25 °C
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Hysteresis loops of core materials



Magnetic Induction (Gauss) VS. Core Loss



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