

# AITIOU

## AIC-1107(C-01)

◎ Amorphous Toroidal Core(Used Mag-Amp)

◎ 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>	
10.1	7.2	4.5	12.4	5.4	7.0	PBT or NYLON,White VS.gray

◎ 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	
					ψc(μ Wb)	Br/Bm(%)
27.16	5.220	22.89	119.489	177.23	11.484	90 MIN

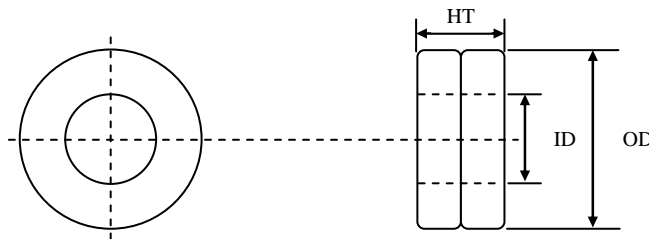
◎ Core Finished Material:

Insulating Covers:UL94V-0 or equivalent

◎ Temperature Range:

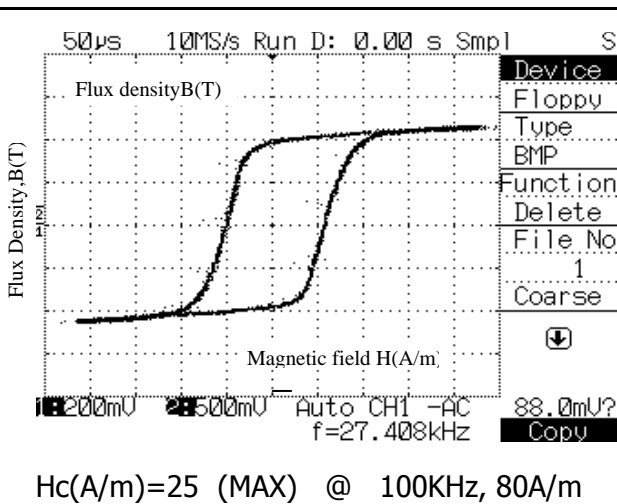
Storage temperature-20 ~ +50°C Ambient Temperature

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



Magnetic Induction (Gauss) VS. Core Loss

