

AITIOU

A12N-1

⊙ Amorphous Toroidal Core(Used Mag-Amp)

⊙ Mechanical Properties

Bare Core Dimensions (mm)			Finished Core Dimensions (mm)			Case Material & Color
O.D. _{±0.2}	I.D. _{±0.2}	H.T. _{±0.2}	O.D. _{±0.3}	I.D. _{±0.3}	H.T. _{±0.3}	
12.0	8.5	4.5	14.4	6.7	6.9	PBT or NYLON,Black

⊙ Typical Parameters and Magnetic Properties

Lm (mm)	Ac (mm ²)	Wa (mm ²)	WaAc (mm ⁴)	Vol (mm ³)	100KHz, 80A/m RT	
					ϕ_c (μ Wb)	Br/Bm(%)
32.19	6.30	35.24	222.00	253.46	13.86	90 MIN

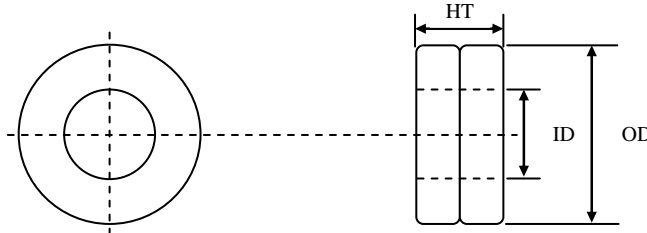
⊙ Core Finished Material:

Insulating Covers:UL94V-0 or equivalent

⊙ Temperature Range:

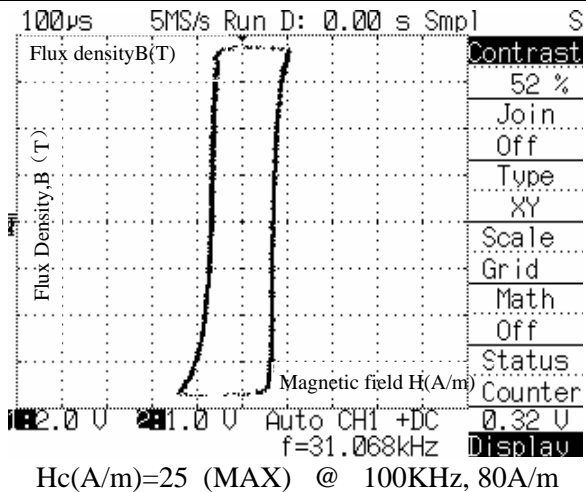
Storage temperature-20 ~ +50 °C Ambient Temperature

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



WIRE	0.8 ϕ	TURNS	10Ts	TEMP.	25 °C
------	------------	-------	------	-------	-------

Hysteresis loops of core materials



Magnetic Induction (Gauss) VS. Core Loss

