

AITIOU

A12F-7

◎ Amorphous Toroidal Core(Used Mag-Amp)

◎ 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 _{±0.3}	H.T _{±0.3}	
12.5	8.5	4.50	14.4	6.7	6.9	PBT or NYLON,White

◎ Typical Parameters and Magnetic Properties

Lm (mm)	Ac (mm ²)	Wa (mm ²)	WaAc (mm ⁴)	Vol (mm ³)	100KHz, 80A/m RT	
					$\psi_c(\mu \text{ Wb})$	Br/Bm(%)
32.97	7.20	35.24	253.72	296.73	15.84	90 MIN

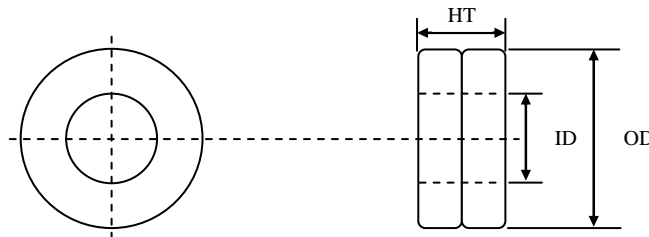
◎ Core Finished Material:

Insulating Covers:UL94V-0 or equivalent

◎Temperature Range:

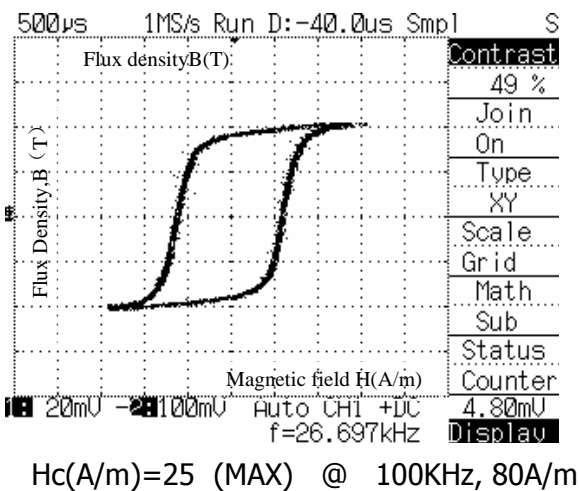
Storage temperature-20 ~ +50°C Ambient Temperature

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

