

USHA AMORPHOUS METALS LTD, INDIA (TOROIDAL- CORE DESIGN)

Enquiry No. : E/D/19/450

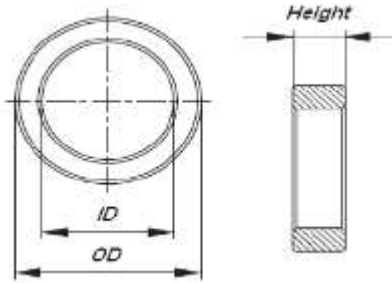
Dated : 21/05/19

Rev. : 00

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**MATERIAL :** Vitroperm 800

**DIMENSIONS :**



**UMNT XAAABBCC**

**WHERE**

- UM : UamI Magnetics
- N : Nano Crystalline
- T : Toroidal
- X : Material Grade
- AAA : Outer Dimention without casing
- BB : Inner Dimention without casing
- CC : Height Dimention without Casing

**Dimensions:** mm

**Scale:** Not To Scale

**Projection:** Third Angle

**PHYSICAL SPECIFICATION :**

Outer Diameter (Bare)	(OD <sub>B</sub> ) mm	<b>80.00</b>
Inner Diameter (Bare)	(ID <sub>B</sub> ) mm	<b>50.00</b>
Height (Bare)	(HT <sub>B</sub> ) mm	<b>30.00</b>
Outer Diameter (with Reinforcement)	(OD <sub>R</sub> ) mm	<b>83.40 (Max.)</b>
Inner Diameter (with Reinforcement)	(ID <sub>R</sub> ) mm	<b>46.60 (Min.)</b>
Height (with Reinforcement)	(HT <sub>R</sub> ) mm	<b>33.20 (Max.)</b>
Core Weight (Bare)	(grams)	<b>540.3 ± 3.0 %</b>
Core Weight (with Reinforcement)	(grams)	<b>578.7 ± 3.0 %</b>

**MAGNETIC CHARACTERISTICS :**

Mean Magnetic Path	(lm) cm	<b>20.42</b>
Net Cross Section Area	(Ac) cm <sup>2</sup>	<b>3.60</b>
Window Area	(Wa) cm <sup>2</sup>	<b>19.63</b>
Area Product	(Ap) cm <sup>4</sup>	<b>70.69</b>

**ELECTRICAL SPECIFICATION :**

**AL Value :** 177.23 μH (±30%) @ 10kHz

**AL Value :** 44.31 μH (±30%) @ 100kHz

**Special Instruction :**

Reinforcement : Plastic Box (Nylon 66 30% Glass Filled)

**Core Size : UMNT- V0805030**

**Verification :**

Prepared By: \_\_\_\_\_  
 Checked By: \_\_\_\_\_  
 Feasibility Check and Approved By: \_\_\_\_\_

**Customer Approval :**

Company : \_\_\_\_\_  
 Approver Name : \_\_\_\_\_ STAMP  
 Signature : \_\_\_\_\_ Date : \_\_\_\_\_

- NOTE :**
- A. ALL MEASUREMENTS ARE DONE AT ROOM TEMPERATURE
  - B. CONTINUOUS OPERATING TEMPERATURE 140°C

NO.	REV NO.	DATE	ECN NO.	REVISIONS DETAILS	Checked	Approval

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