

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

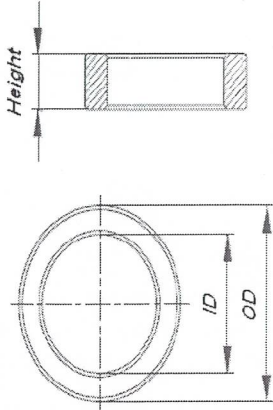
Enquiry No. : E/D/19/433

Dated : 21/05/19

Rev. : 00 Dated : 21-05-19

**MATERIAL :** Fe Based Nanocrystalline Metal

**DIMENSIONS :**



**UMNT**

WHERE

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

**XAAAABCC**

**Dimensions:** mm  
**Scale:** Not To Scale  
**Protection:** Third Angle

**NOTE :**  
 A. ALL MEASUREMENTS ARE DONE AT ROOM TEMPERATURE  
 B. CONTINUOUS OPERATING TEMPERATURE 130 °C

**PHYSICAL SPECIFICATION :**

Outer Diameter (Bare)	(OD <sub>B</sub> ) mm	75.00
Inner Diameter (Bare)	(ID <sub>B</sub> ) mm	50.00
Height (Bare)	(HT <sub>B</sub> ) mm	30.00
Outer Diameter (with Reinforcement)	(OD <sub>R</sub> ) mm	78.40 (Max.)
Inner Diameter (with Reinforcement)	(ID <sub>R</sub> ) mm	46.60 (Min.)
Height (with Reinforcement)	(HT <sub>R</sub> ) mm	33.20 (Max.)
Core Weight (Bare)	(grams)	427.1 ± 3.0 %
Core Weight (with Reinforcement)	(grams)	457.4 ± 3.0 %

**MAGNETIC CHARACTERISTICS :**

Mean Magnetic Path	(lm) cm	19.63
Net Cross Section Area	(Ac) cm <sup>2</sup>	3.00
Window Area	(Wa) cm <sup>2</sup>	19.63
Area Product	(Ap) cm <sup>4</sup>	58.90

**ELECTRICAL SPECIFICATION :**




**AL Value :** 57.60  $\mu\text{H}$  ( $\pm 30\%$ ) @ 10kHz  
**AL Value :** 11.52  $\mu\text{H}$  ( $\pm 30\%$ ) @ 100kHz

**Special Instruction :**

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

**Core Size : UMNT- A0755030**

**Verification :**

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

**Customer Approval :**

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

NO.	REV NO.	DATE	ECN NO.	REVISIONS DETAILS	Checked	Approval
01	00	21-05-19		Permeability Changed from 25000 to 30000		

**NOTICE/DISCLAIMER:**

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