

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

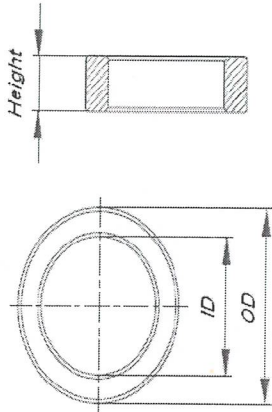
Enquiry No. : E/D/19/429

Dated : 21/05/19

Rev. : 00 Dated : 21-05-19

MATERIAL : Fe Based Nanocrystalline Metal

DIMENSIONS :



UMNT

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

Dimensions: mm
Scale: Not To Scale
Projection: Third Angle

XAAABBCC

PHYSICAL SPECIFICATION :

| | | |
|-------------------------------------|-----------------------|--------------|
| Outer Diameter (Bare) | (OD _b) mm | 40.00 |
| Inner Diameter (Bare) | (ID _b) mm | 25.00 |
| Height (Bare) | (HT _b) mm | 20.00 |
| Outer Diameter (with Reinforcement) | (OD _R) mm | 43.40 (Max.) |
| Inner Diameter (with Reinforcement) | (ID _R) mm | 21.60 (Min.) |
| Height (with Reinforcement) | (HT _R) mm | 23.20 (Max.) |
| Core Weight (Bare) | (grams) | 88.8 ± 3.0 % |
| Core Weight (with Reinforcement) | (grams) | 95.1 ± 3.0 % |

MAGNETIC CHARACTERISTICS :

| | | |
|------------------------|----------------------|-------|
| Mean Magnetic Path | (lm) cm | 10.21 |
| Net Cross Section Area | (Ac) cm ² | 1.20 |
| Window Area | (Wa) cm ² | 4.91 |
| Area Product | (Ap) cm ⁴ | 5.89 |

ELECTRICAL SPECIFICATION :

AL Value : 44.31 μH (±30%) @ 10kHz
 AL Value : 8.86 μH (±30%) @ 100kHz
 Special Instruction :

NOTE :

- A. ALL MEASUREMENTS ARE DONE AT ROOM TEMPERATURE
- B. CONTINUOUS OPERATING TEMPERATURE 130 °C

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

Core Size : **UMNT- A0402520**

Verification :

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

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

Customer Approval :

Company : _____
 Approver Name : _____
 Signature : _____ Date : _____

NOTICE/DISCLAIMER :

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