

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

Enquiry No. : E/D/19/452

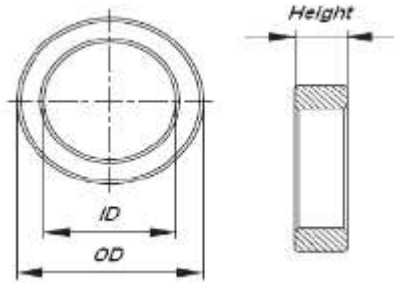
Dated : 21/05/19

Rev. : 00

Dated : 21-05-19

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 _B) mm | 90.00 |
| Inner Diameter (Bare) | (ID _B) mm | 60.00 |
| Height (Bare) | (HT _B) mm | 30.00 |
| Outer Diameter (with Reinforcement) | (OD _R) mm | 93.40 (Max.) |
| Inner Diameter (with Reinforcement) | (ID _R) mm | 56.60 (Min.) |
| Height (with Reinforcement) | (HT _R) mm | 33.20 (Max.) |
| Core Weight (Bare) | (grams) | 623.4 ± 3.0 % |
| Core Weight (with Reinforcement) | (grams) | 667.7 ± 3.0 % |

MAGNETIC CHARACTERISTICS :

| | | |
|------------------------|----------------------|---------------|
| Mean Magnetic Path | (lm) cm | 23.56 |
| Net Cross Section Area | (Ac) cm ² | 3.60 |
| Window Area | (Wa) cm ² | 28.27 |
| Area Product | (Ap) cm ⁴ | 101.79 |

ELECTRICAL SPECIFICATION :

AL Value : 153.60 μH (±30%) @ 10kHz

AL Value : 38.40 μH (±30%) @ 100kHz

Special Instruction :

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

Core Size : UMNT- V0906030

Verification :

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

- 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 |
|-----|---------|------|---------|-------------------|---------|----------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Customer Approval :

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

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