

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

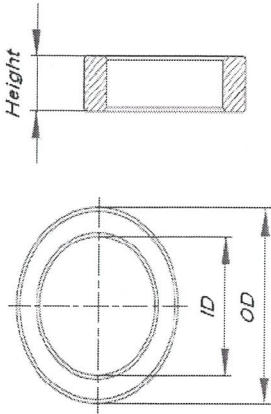
Enquiry No. : E/D/19/446

Dated : 21/05/19

Rev. : 00 Dated : 21-05-19

MATERIAL : Vitroperm 800

DIMENSIONS :



UMNT XAAABBCC

- WHERE
- UM : Uam1 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

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

PHYSICAL SPECIFICATION :

Outer Diameter (Bare)	(OD _B) mm	50.00
Inner Diameter (Bare)	(ID _B) mm	40.00
Height (Bare)	(HT _B) mm	25.00
Outer Diameter (with Reinforcement)	(OD _R) mm	53.40 (Max.)
Inner Diameter (with Reinforcement)	(ID _R) mm	36.60 (Min.)
Height (with Reinforcement)	(HT _R) mm	28.20 (Max.)
Core Weight (Bare)	(grams)	103.9 ± 3.0 %
Core Weight (with Reinforcement)	(grams)	111.3 ± 3.0 %

MAGNETIC CHARACTERISTICS :

Mean Magnetic Path	(lm) cm	14.14
Net Cross Section Area	(Ac) cm ²	1.00
Window Area	(Wa) cm ²	12.57
Area Product	(Ap) cm ⁴	12.57

ELECTRICAL SPECIFICATION :

AL Value : 71.11 μH ($\pm 30\%$) @ 10kHz
AL Value : 17.78 μH ($\pm 30\%$) @ 100kHz

Special Instruction :

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

Core Size : UMNT- V0504025

Verification :

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

Customer Approval :

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

STAMP

NO.	REV NO.	DATE	ECN NO.	REVISIONS DETAILS	Checked	Approval
01	00	21-05-19		Permeability Changed from 60000 to 80000		

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