

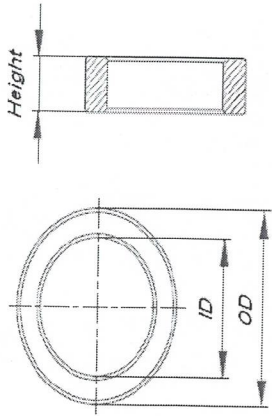
USHA AMORPHOUS METALS LTD, INDIA (TOROIDAL-CORE DESIGN)

Enquiry No. : E/D/19/445
 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

PHYSICAL SPECIFICATION :

Outer Diameter (Bare)	(OD _B) mm	50.00
Inner Diameter (Bare)	(ID _B) mm	40.00
Height (Bare)	(HT _B) mm	20.00
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	23.20 (Max.)
Core Weight (Bare)	(grams)	83.1 ± 3.0 %
Core Weight (with Reinforcement)	(grams)	89.0 ± 3.0 %

MAGNETIC CHARACTERISTICS :

Mean Magnetic Path	(lm) cm	14.14
Net Cross Section Area	(Ac) cm ²	0.80
Window Area	(Wa) cm ²	12.57
Area Product	(Ap) cm ⁴	10.05

ELECTRICAL SPECIFICATION :

AL Value : 56.89 $\mu H (\pm 30\%) @ 10kHz$
 AL Value : 14.22 $\mu H (\pm 30\%) @ 100kHz$

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- V0504020**

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 60000 to 80000		

Customer Approval :

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

STAMP

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