

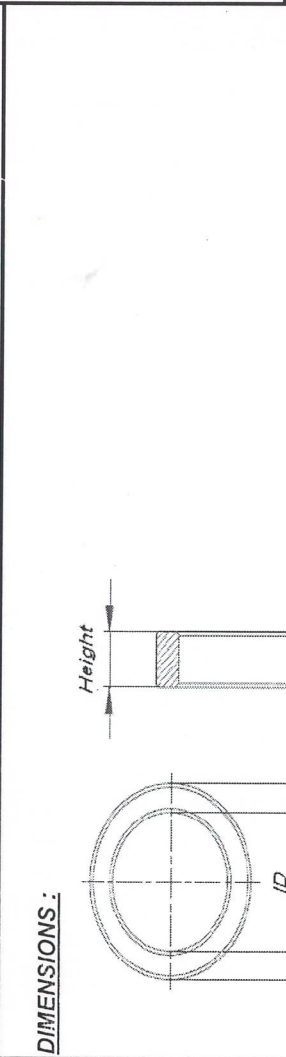
USHA AMORPHOUS METALS LTD, INDIA (TOROIDAL- CORE DESIGN)

Enquiry No. : E/D/19/437
 Dated : 21/05/19
 Rev. : 00
 Dated : 05-06-19

MATERIAL : Vitroperm 800

PHYSICAL SPECIFICATION :

Outer Diameter (Bare)	(OD _B) mm	12.50
Inner Diameter (Bare)	(ID _B) mm	9.50
Height (Bare)	(HT _B) mm	5.00
Outer Diameter (with Reinforcement)	(OD _R) mm	14.50 (Max.)
Inner Diameter (with Reinforcement)	(ID _R) mm	7.50 (Min.)
Height (with Reinforcement)	(HT _R) mm	6.80 (Max.)
Core Weight (Bare)	(grams)	1.5 ± 3.0 %
Core Weight (with Reinforcement)	(grams)	1.6 ± 3.0 %



MAGNETIC CHARACTERISTICS :

Mean Magnetic Path	(lm) cm	3.46
Net Cross Section Area	(Ac) cm ²	0.06
Window Area	(Wa) cm ²	0.71
Area Product	(Ap) cm ⁴	0.04

ELECTRICAL SPECIFICATION :

AL Value : 17.45 μ H ($\pm 30\%$) @ 10kHz
 AL Value : 4.36 μ H ($\pm 30\%$) @ 100kHz
 Special Instruction :

UMNT XAAABBCC

- WHERE
- UM : Jaml 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

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

Core Size : UMNT- V0131005

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 60000 to 80000		

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