

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

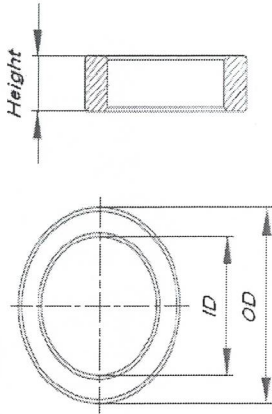
Enquiry No. : E/D/18/452

Dated : 21/05/19

Rev. : 00 Dated : 21-05-19

MATERIAL : Vitroperm 800

DIMENSIONS :



UMNT

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

XAAABBCC

Dimensions: mm
Scale: Not To Scale
Protection: 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	30.00
Inner Diameter (Bare)	(ID _B) mm	20.00
Height (Bare)	(HT _B) mm	10.00
Outer Diameter (with Reinforcement)	(OD _R) mm	33.00 (Max.)
Inner Diameter (with Reinforcement)	(ID _R) mm	17.20 (Min.)
Height (with Reinforcement)	(HT _R) mm	12.80 (Max.)

Core Weight (Bare)	(grams)	23.1 ± 3.0 %
Core Weight (with Reinforcement)	(grams)	24.7 ± 3.0 %

MAGNETIC CHARACTERISTICS :

Mean Magnetic Path	(lm) cm	7.85
Net Cross Section Area	(Ac) cm ²	0.40
Window Area	(Wa) cm ²	3.14
Area Product	(Ap) cm ⁴	1.26

ELECTRICAL SPECIFICATION :

AL Value : 51.20 μH ($\pm 30\%$) @ 10kHz
AL Value : 12.80 μH ($\pm 30\%$) @ 100kHz

Special Instruction :

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

Core Size : UMNT- V0302010

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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