

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

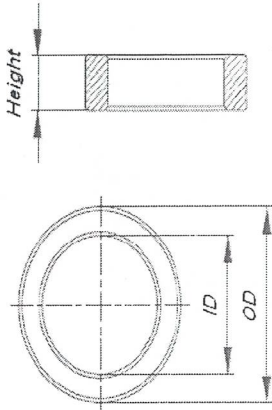
Enquiry No. : E/D/19/431

Dated : 21/05/19

Rev. : 00 Dated : 21-05-19

MATERIAL : Fe Based Nanocrystalline Metal

DIMENSIONS :



UMNT XAAAABCC

- 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
Protection: Third Angle

PHYSICAL SPECIFICATION :

Outer Diameter (Bare)	(OD _B) mm	64.00
Inner Diameter (Bare)	(ID _B) mm	50.00
Height (Bare)	(HT _B) mm	25.00
Outer Diameter (with Reinforcement)	(OD _R) mm	67.40 (Max.)
Inner Diameter (with Reinforcement)	(ID _R) mm	46.60 (Min.)
Height (with Reinforcement)	(HT _R) mm	28.20 (Max.)
Core Weight (Bare)	(grams)	181.8 ± 3.0 %
Core Weight (with Reinforcement)	(grams)	194.7 ± 3.0 %

MAGNETIC CHARACTERISTICS :

Mean Magnetic Path	(lm) cm	17.91
Net Cross Section Area	(Ac) cm ²	1.40
Window Area	(Wa) cm ²	19.63
Area Product	(Ap) cm ⁴	27.49

ELECTRICAL SPECIFICATION :

AL Value : 29.47 μH ($\pm 30\%$) @ 10kHz

AL Value : 5.89 μH ($\pm 30\%$) @ 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- A0645025

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 25000 to 30000		

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