

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

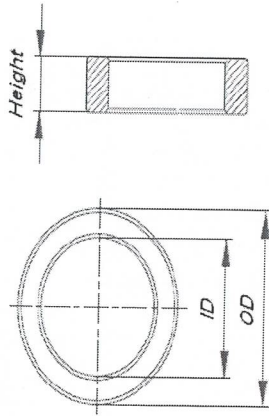
Enquiry No. : E/D/19/434

Dated : 21/05/19

Rev. : 00 Dated : 21-05-19

MATERIAL : Fe Based Nanocrystalline Metal

DIMENSIONS :



UMNT

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

XAAABBCC

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	80.00
Inner Diameter (Bare)	(ID _B) mm	50.00
Height (Bare)	(HT _B) mm	30.00
Outer Diameter (with Reinforcement)	(OD _R) mm	83.40 (Max.)
Inner Diameter (with Reinforcement)	(ID _R) mm	46.60 (Min.)
Height (with Reinforcement)	(HT _R) mm	33.20 (Max.)
Core Weight (Bare)	(grams)	533.0 ± 3.0 %
Core Weight (with Reinforcement)	(grams)	570.8 ± 3.0 %

MAGNETIC CHARACTERISTICS :

Mean Magnetic Path	(lm) cm	20.42
Net Cross Section Area	(Ac) cm ²	3.60
Window Area	(Wa) cm ²	19.63
Area Product	(Ap) cm ⁴	70.69

ELECTRICAL SPECIFICATION :

AL Value : 66.46 μH (±30%) @ 10kHz
 AL Value : 13.29 μH (±30%) @ 100kHz
 Special Instruction :

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

Core Size : **UMNT- A0805030**

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		

NOTICE/DISCLAIMER :

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