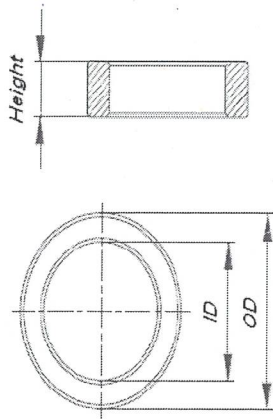


USHA AMORPHOUS METALS LTD, INDIA (TOROIDAL- CORE DESIGN)

Enquiry No. : E/D/19/425
 Dated : 21/05/19
 Rev. : 00 Dated : 21-05-19

MATERIAL : Fe Based Nanocrystalline Metal

DIMENSIONS :



UMNT

- WHERE
 UM : UamI 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
 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	20.10
Inner Diameter (Bare)	(ID _B) mm	12.70
Height (Bare)	(HT _B) mm	10.00
Outer Diameter (with Reinforcement)	(OD _R) mm	22.50 (Max.)
Inner Diameter (with Reinforcement)	(ID _R) mm	10.20 (Min.)
Height (with Reinforcement)	(HT _R) mm	12.30 (Max.)
Core Weight (Bare)	(grams)	11.1 ± 3.0 %
Core Weight (with Reinforcement)	(grams)	11.8 ± 3.0 %

MAGNETIC CHARACTERISTICS :

Mean Magnetic Path	(lm) cm	5.15
Net Cross Section Area	(Ac) cm ²	0.30
Window Area	(Wa) cm ²	1.27
Area Product	(Ap) cm ⁴	0.37



ELECTRICAL SPECIFICATION :

AL Value : 21.66 μH (±30%) @ 10kHz
 AL Value : 4.33 μH (±30%) @ 100kHz

Special Instruction :

Reinforcement : Plastic Box (Nylon 66 30% Glass Filled)
 Core Size : **UMNT- A0201310**

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
1	00	21-05-19		Permeability Changed from 25000 to 30000		

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