

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

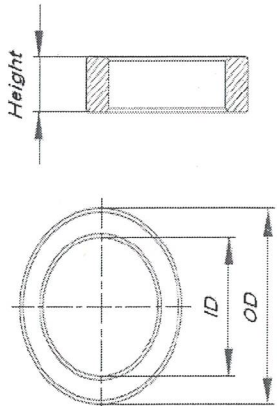
Enquiry No. : E/D/19/424

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 Dimention without casing
 BB : Inner Dimention without casing
 CC : Height Dimention without Casing

XAAABBCC

Dimensions: mm
 Scale: Not To Scale
 Protection: Third Angle

PHYSICAL SPECIFICATION :

Outer Diameter (Bare)	(OD _B) mm	20.10
Inner Diameter (Bare)	(ID _B) mm	12.70
Height (Bare)	(HT _B) mm	8.00
Outer Diameter (with Reinforcement)	(OD _R) mm	22.00 (Max.)
Inner Diameter (with Reinforcement)	(ID _R) mm	10.70 (Min.)
Height (with Reinforcement)	(HT _R) mm	9.80 (Max.)
Core Weight (Bare)	(grams)	8.8 ± 3.0 %
Core Weight (with Reinforcement)	(grams)	9.5 ± 3.0 %

MAGNETIC CHARACTERISTICS :

Mean Magnetic Path	(lm) cm	5.15
Net Cross Section Area	(Ac) cm ²	0.24
Window Area	(Wa) cm ²	1.27
Area Product	(Ap) cm ⁴	0.30

ELECTRICAL SPECIFICATION :

AL Value : 17.33 μH (±30%) @ 10kHz

AL Value : 3.47 μH (±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- A0201308**

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		

NOTICE/DISCLAIMER:

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