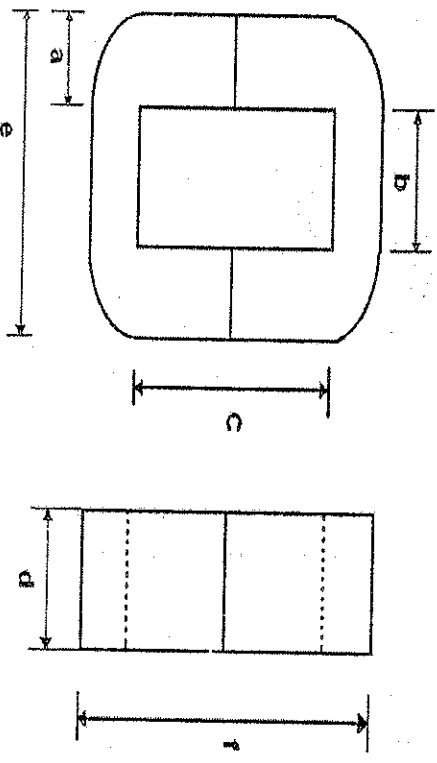


# USHA AMORPHOUS METALS LTD, INDIA (C-CORE DESIGN)

**MATERIAL :** Iron Based Amorphous Metal Alloy

**DIMENSIONS :**



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

**NOTE:**  
A. ALL MEASUREMENTS ARE DONE AT ROOM TEMPERATURE  
B. WEIGHT INCLUDES 2% EPOXY WEIGHT  
C. CONTINUOUS OPERATING TEMPERATURE 155 °C

NO.	REV. NO.	DATE	ECN NO.	REVISIONS DETAILS	Checked	Approval

**NOTICE/DISCLAIMER:** THIS DRAWING, THE PROPERTY OF USHA AMORPHOUS METALS LTD., INDIA IS FURNISHED. SUBJECT TO RETURN ON DEMAND AND THE CONDITION THAT THE INFORMATION AND TECHNOLOGY EMBEDED HEREIN SHALL NOT BE DISCLOSED OR USED AND THE DOCUMENT SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART EXCEPT AS PREVIOUSLY AUTHORISED IN WRITING. ANY PERSON RECEIVE OR OBSERVE THIS DOCUMENT WILL BE HELD STRICTLY LIABLE FOR ANY VIOLATION WHETHER OR NEGLIGENT.

Enquiry No. : \_\_\_\_\_  
Dated : \_\_\_\_\_  
ED/10/C/ 45 Rev. : 00 Dated 17/08/2010

**PHYSICAL SPECIFICATION :**

Core Build	(a) mm	13.00	±	0.80
Window Width	(b) mm	15.50	±	0.50
Window Length	(c) mm	57.00	±	1.00
Core Height	(d) mm	35.00	±	0.50
Core Width	(e) mm	41.50	±	1.50
Core Length	(f) mm	83.00	±	2.00
Core Weight	(grams)	521	±	3.0 %

**MAGNETIC CHARACTERISTICS :**

Mean Magnetic Path	(lm) cm	18.57
Net Cross Section Area	(Ac) cm <sup>2</sup>	3.82
Window Area	(Wa) cm <sup>2</sup>	8.84
Area Product	(Ap) cm <sup>4</sup>	33.77

**ELECTRICAL SPECIFICATION :**

Core Loss @ 16.00 KHz, 0.037 T ≤ 1.38 Watts/Kg

**SPECIAL INSTRUCTION :**

**Core Size : UMCCC 40**

**Verification :**

Prepared and Checked By: PK Date: 17.08.10  
Feasibility Check and Approved By: [Signature] Date: 17/08/10

**Customer Approval :**

Company : \_\_\_\_\_  
Approver Name : \_\_\_\_\_  
Signature : \_\_\_\_\_ Date : \_\_\_\_\_  
STAMP