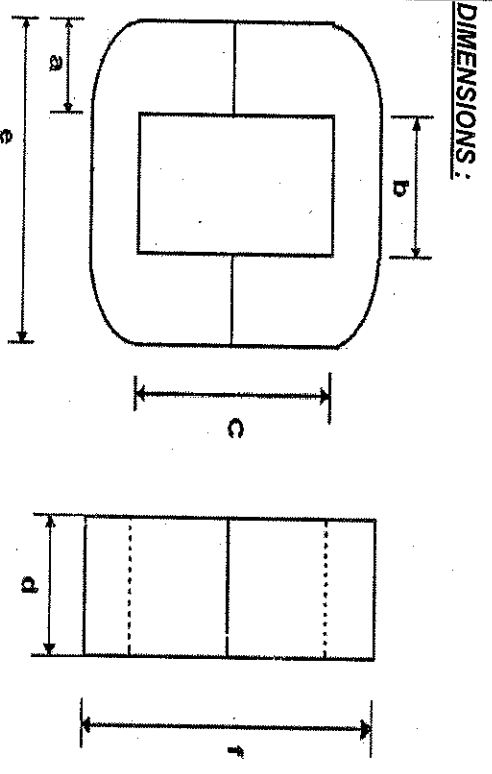


# USHA AMORPHOUS METALS LTD, INDIA (C-CORE DESIGN)

**MATERIAL :** Iron Based Amorphous Metal Alloy

Enquiry No. : \_\_\_\_\_  
 Dated : \_\_\_\_\_  
 ED/11/C/ \_\_\_\_\_ Rev. : \_\_\_\_\_ 00 Dated 01/12/2011



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 165 °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 EMBEDDED 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.

**PHYSICAL SPECIFICATION :**

Core Built	(a) mm	54.00	±	1.50
Window Width	(b) mm	57.00	±	0.50
Window Length	(c) mm	174.00	±	1.50
Core Height	(d) mm	55.00	±	1.00
Core Width	(e) mm	165.00	±	2.50
Core Length	(f) mm	282.00	±	3.00
Core Weight	(grams)	11540	±	3.0 %

**MAGNETIC CHARACTERISTICS :**

Mean Magnetic Path	(lm) cm	63.07
Net Cross Section Area	(Ac) cm <sup>2</sup>	24.95
Window Area	(Wa) cm <sup>2</sup>	99.18
Area Product	(Ap) cm <sup>4</sup>	2474.34

**ELECTRICAL SPECIFICATION :**

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

**SPECIAL INSTRUCTION :**

**Core Size : UMCCC -- 2553**

**Verification :**

Prepared and Checked By : *[Signature]* Date : 01.12.2011

Feasibility Check and Approved By : *[Signature]* Date : 01/12/2011

**Customer Approval :**

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