

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

Enquiry No.:

Dated:

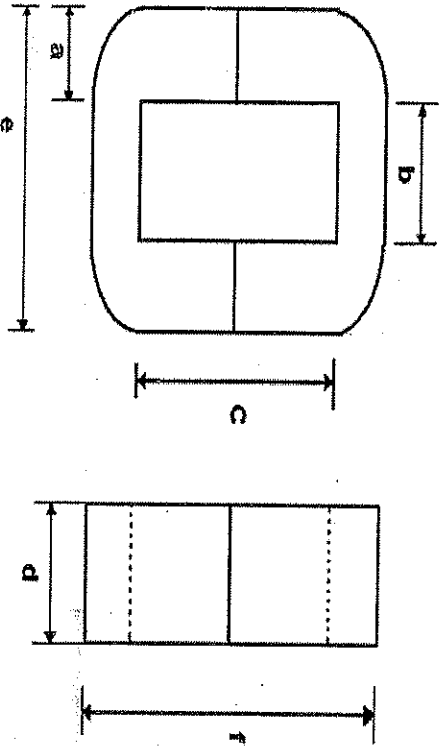
ED/11/C/

Rev.:

00 Dated 01/12/2011

**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

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**PHYSICAL SPECIFICATION:**

Core Build	(a) mm	44.00	±	1.00
Window Width	(b) mm	40.00	±	0.50
Window Length	(c) mm	105.00	±	1.25
Core Height	(d) mm	85.00	±	1.50
Core Width	(e) mm	128.00	±	1.50
Core Length	(f) mm	193.00	±	2.50
Core Weight	(grams)	9864	±	3.0 %

**MAGNETIC CHARACTERISTICS:**

Mean Magnetic Path	(lm) cm	42.81
Net Cross Section Area	(A <sub>c</sub> ) cm <sup>2</sup>	31.42
Window Area	(W <sub>a</sub> ) cm <sup>2</sup>	42.00
Area Product	(A <sub>p</sub> ) cm <sup>4</sup>	1319.47

**ELECTRICAL SPECIFICATION:**

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

**SPECIAL INSTRUCTION:**

**Core Size: UMCCC -- 1382**

**Verification:**

Prepared and Checked By: *[Signature]* Date: 01.12.11

Feasibility Check and Approved By: *[Signature]* Date: 01/12/11

**Customer Approval:**

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

STAMP