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

**Enquiry No. :**

**Dated :**

| ErJ/12/CI | Rev. : | 00 Dated 26/04/2012 |
|---|---|---|

## MATERIAL :

Iron Based Amorphous Metal Alloy
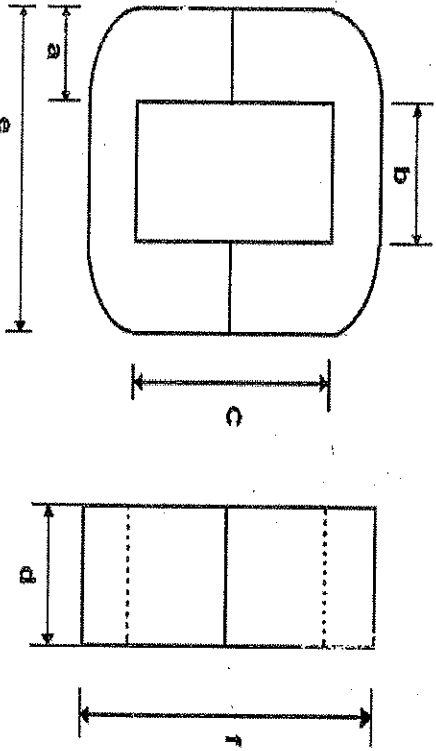
## DIMENTIONS :



**Dimentions:** mm

**Scale:** Not To Scale

**Projection:** Third Angle

## NOTE :

A. ALL MEASUREMENTS ARE DONE AT ROOM TEMPETATURE

B. WEIGHT INCLUDES 2% EPOXY WEIGHT

C. CONTINIOUS OPERATING TEMPERATURE 155 °C

## PHYSICAL SPECIFICATION :

| | | | | |
|---|---|---|---|---|
| Core Build | (a) mm | 18.90 | ± | 1.00 |
| Window Width | (b) mm | 20.00 | ± | 0.50 |
| Window Length | (c) mm | 64.00 | ± | 1.00 |
| Core Height | (d) mm | 35.00 | + | 1.00 |
| Core Width | (e) mm | 57.80 | ± | 1.50 |
| Core Length | (f) mm | 101.80 | ± | 2.50 |
| Core Weight | (grams) | 926 | ± | 3.0 % |

## MAGNETIC CHARACTERISTICS :

| | | | |
|---|---|---|---|
| Mean Magnetic Path | (lm) cm | 22.72 | |
| Net Cross Section Area | (Ac) cm$^2$ | 5.56 | |
| Window Area | (Wa) cm$^2$ | 12.80 | |
| Area Product | (Ap) cm$^4$ | 71.12 | |

## ELECTRICAL SPECIFICATION :

| | | | | | |
|---|---|---|---|---|---|
| Core Loss @ | 16.00 | kHz, | 0.037 | T | ≤ 1.38 Watts/Kg |

## SPECIAL INSTRUCTION :

## Core Size : UMCCC -- 72

## Verification :

Prepared and Checked By : _____ Date : 28/4/12

Feasibility Check and Approved By : _____ Date : 26/4/2012

## Customer Approval :

Company : _____

Approver Name : _____

Signature : _____ Date : _____

STAMP

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