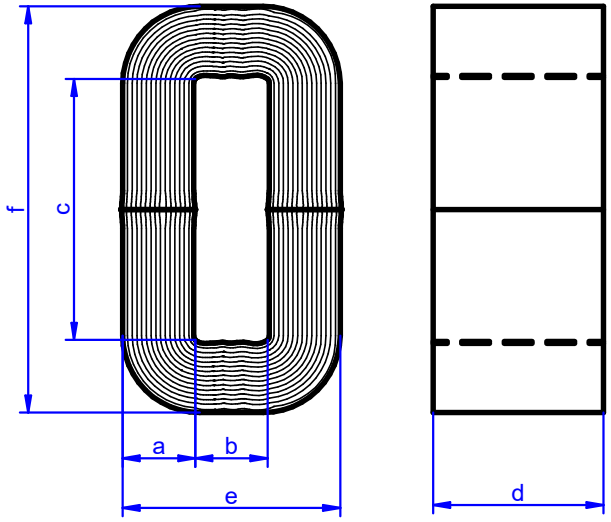
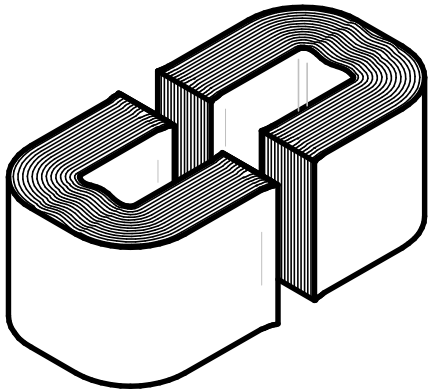
AMCC100



FRONT VIEW SIDE VIEW



ISOMETRIC VIEW

PHYSICAL SPECIFICATIONS (mm)	CORE BUILD (a)	WINDOW WIDTH (b)	WINDOW LENGTH (c)	CORE HEIGHT (d)	CORE WIDTH (e)	CORE LENGTH (f)	WEIGHT OF CORE # (g)
	16.0	20.0	70.0	45.0	52.0	102.0	1,055
TOLERANCES (mm)	±1.0	MIN.	MIN.	±1.0	+1.0 / -0.5	+3.0 / -0.0	NOM.

WEIGHT INCLUDES 2% (NOM.) EPOXY WEIGHT.

CALCULATED SPECS	STACK FACTOR	MEAN MAGNETIC PATH LENGTH (lm)	NET CROSS SECTIONAL AREA (Ac)	WINDOW AREA (Wa)	AREA PRODUCT (Ap)
	%	cm	cm^2	cm^2	cm^4
	82%	24.4	5.9	14.0	82.7
TOLERANCES	±2%	NOM.	NOM.	NOM.	NOM.

TEST SPECIFICATIONS	CORE LOSS @ 16kHz, 0.037T
	≤ 1.38 W / Kg
TOLERANCES	Max.

* All measurements are done at Room Temperature (22°C to 28°C).
* Continuous Operating Temperature: 150°C (Max.)

NOTES:-
1. Customer to mark the dimensions/characteristics that are critical to fit/form and function on the drawing.
2. Number of components to be submitted for pilot production lot=_____pieces.
3. Unless otherwise specified, standard packaging used by Proterial will be provided.
4. All production records and data pertaining to this product will be retained for a period of 1 year from the date of shipment.
5. For Product Safety communication refer EG/FM/0039

GENERAL INSTRUCTIONS:-
a). Bare core, kept in open, is rust prone.
b). Core with minor rust can be used after cleaning with suitable rust preventive chemical.
c). Core to be shelf stored in proper packaging like VCI (Volatile Corrosion Inhibitor) paper cover.
d). Core recommended to be used in application after suitable varnishing / coating / potting / covering etc.

SIGNATURE: DATE:
NAME:
COMPANY NAME:
CUSTOMER APPROVAL

DISCLAIMER: The manufacturer ensures outer dimensions & weight of each individual core conforms to specifications. However, core profile & inner window dimensions are indicative & minimum dimensions are ensured.

Note :-
This drawing, the property of VP ELECTRONICS , is furnished Subject to return on demand and condition that information and technology embodied herein shall not be disclosed or used and the drawing shall not be reproduced or copied in whole or in part except as previously authorized in writing. Any person who may receive or observe this design will be held strictly liable for any violation whether willful or negligent.

TOLERANCES UNLESS OTHERWISE SPECIFIED

NO.	REVISION	BY	APPR.	DATE
00	Company name change from Hitachi metals to Proterial.(Refer previous drawing of Hitachi metals Refer Drawing rev.07 dated 27/11/2017)	TS	AS	05/01/23

DIMENSIONS mm | SCALE N.T.S | PROJECTION

DESCRIPTION: **PRODUCT DRAWING - AMCC100**
PRIME RAW MATERIAL: **METGLAS® ALLOY 2605SA1/ EQUIVALENT**

NO. OF SHEET	DRAWING NO.	REV. NO.
1 OF 1	AMCC100	00

V P Electronics
Total Solution of Power Electronics

DRAWN	DATE	CHECKED	DATE	APPROVED	DATE
SR	07/12/01	SR	07/12/01	RH,RM,ST	07/19/01

REFERENCE PROJECT DRG. NO:- REV.:-