



Certificate No. : TC-5389

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

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ERDA Road, Makarpura Industrial Estate, Vadodara-390 010, India.

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ULR-TC538919000009683F

TEST REPORT

SHEET: 1 OF 2

NAME & ADDRESS OF CUSTOMER PLANETRIC POWER LLP MNO-3076 Near Lexicon International School, Pune- Nagar Road, A/P Wagholi, Tal-Haveli, Dist-Pune, Maharashtra-412207	TEST REPORT NO.: RP-1819-050162	
	DATE : 26.03.2019	
	CUSTOMER REF. NO. : NIL DATE : 14.03.2019	
SAMPLE DESCRIPTION CURRENT TRANSFORMER MFD. BY : PLANETRIC POWER LLP RATIO : 3000/5 A BURDEN : 15 VA CLASS : 5P10 I.L. : 0.66/3.0 kV FREQ : 50 Hz. CLASS OF INSULATION : B	DATE OF SAMPLE RECEIPT	DATE OF TESTING
	18.03.2019	25.03.2019
SAMPLE DESCRIPTION CURRENT TRANSFORMER MFD. BY : PLANETRIC POWER LLP RATIO : 3000/5 A BURDEN : 15 VA CLASS : 5P10 I.L. : 0.66/3.0 kV FREQ : 50 Hz. CLASS OF INSULATION : B	SAMPLE IDENTIFICATION SR. NO. : 55/2019 ERDA SAMPLE CODE NO. : ERDA-00307138	
TEST DETAILS : 1. Temperature rise test	TEST SPECIFICATION : Cl. No. 9.7 of IS 2705 (Part 1) : 1992	
ENCLOSURE : 1) Photographs of Test sample : As per Annexure-I (As per sheet : 1 of 1) 2) DRAWING NO. : 1) LTCT009/2019 2) A4 LTCT008/2019 SHEET 1 OF 1		
NOTE : Testing was carried out as per standard IS 2705:1992 as per customer's request.		
REMARK : The sample conforms to the requirements of the mentioned standard as mentioned in above test.		
 PREPARED BY	 CHECKED BY	 APPROVED BY (S.B. PATEL)

Note: 1. This report relates only to the particular sample received in good condition for testing at ERDA, Vadodara.

2. This report cannot be reproduced in part under any circumstances.

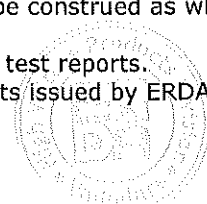
3. Publication of this report requires prior permission in writing from Director, ERDA.

4. Only tests asked for by the customer have been carried out.

5. In case of any dispute, Vadodara will be the exclusive jurisdiction & shall be construed as where the cause has arisen.

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TC 2744725



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TEST REPORT NO. : RP-1819-050162

DATE : 26.03.2019

SHEET : 2 OF 2

TEST RESULTS:

1. **Temperature rise test. (Cl. No. 9.7 of IS 2705 (Part 1) : 1992)**

A continuous rated thermal current equals to 100% (i.e. 3000 A) of the rated primary current at rated frequency was circulated in the primary winding of the CT. Rated burden (i.e. 15 VA) was connected to the secondary winding terminals (i.e. S1-S2) of the CT. At steady state, the temperature of the body and ambient temperature were recorded. The resistances of secondary windings were measured immediately after shut down and temperature rise calculated.

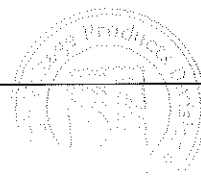
The temperature rises so obtained were as follows:

Sr. no.	Temperature rise of :	Specified limit for temperature rise test.	Obtained value :
1.	Secondary winding (Resistance method)	80 °C	S1-S2 :50.50 °C
2.	Body (Thermocouple method)	80 °C	25.0 °C
3.	Ambient temperature	40 °C	31.9 °C

REMARK: Conforms

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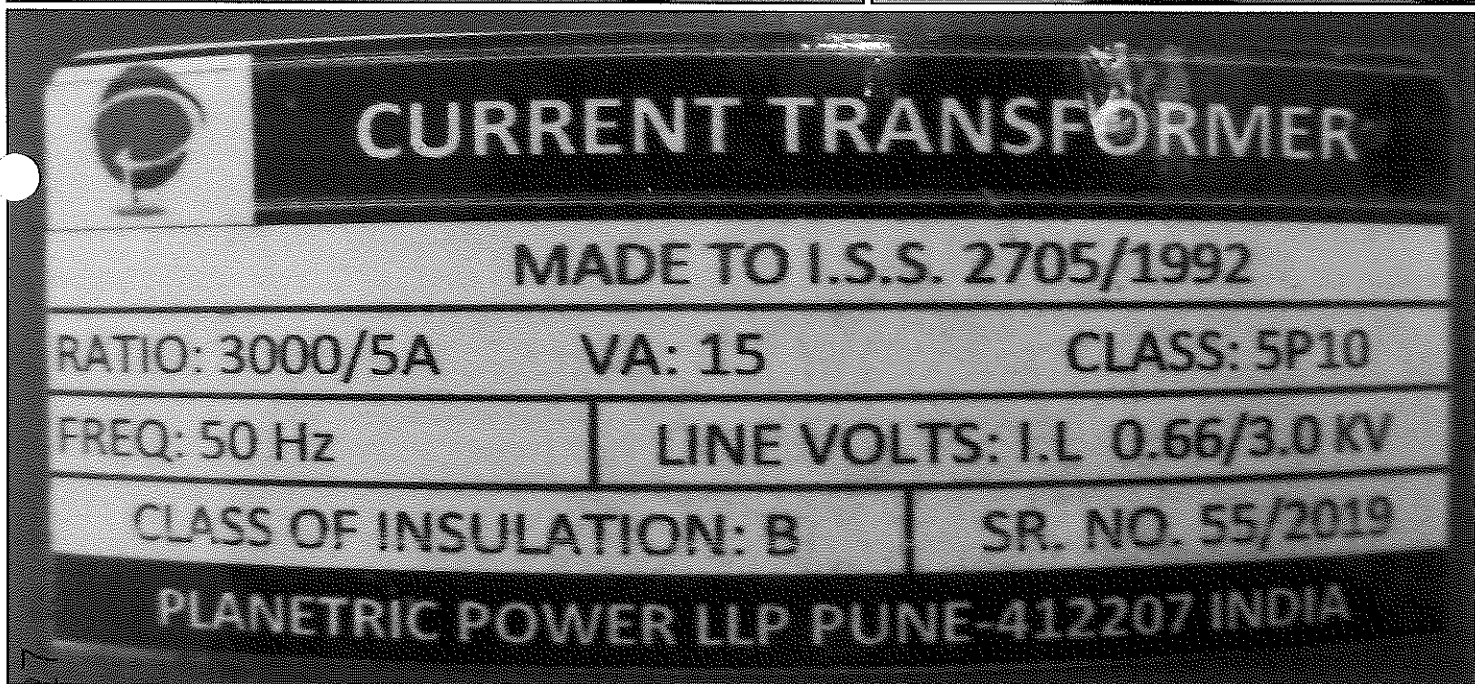
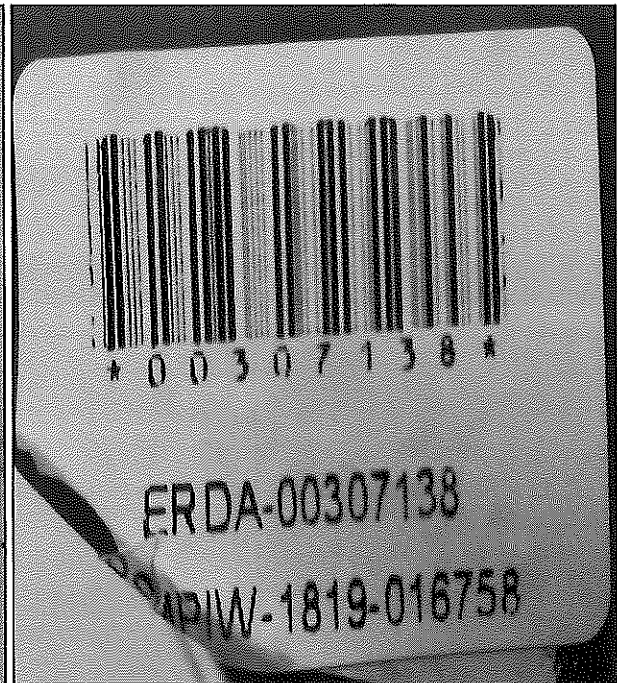
Annexure-I

TEST REPORT NO. : RP-1819-050162

DATE : 26.03.2019

SHEET : 1 OF 1

PHOTOGRAPHS OF TEST SAMPLE

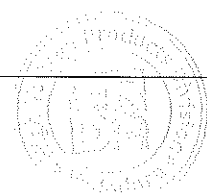


TC 2744727

neej

PREPARED BY

[Signature]
CHECKED BY



THE UNIVERSITY OF CHICAGO



MADE TO U.S. 2705/1992

CLASS: 5P10
VA: 15
RATIO: 3000/5A

USE VOLTS: 11 0.6/3.0 KW

CLASS OF INSULATION: B
STATION: NO. 55/2019

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ROUTING & DIAGRAM PLATE

1912-1913

2019/09/09

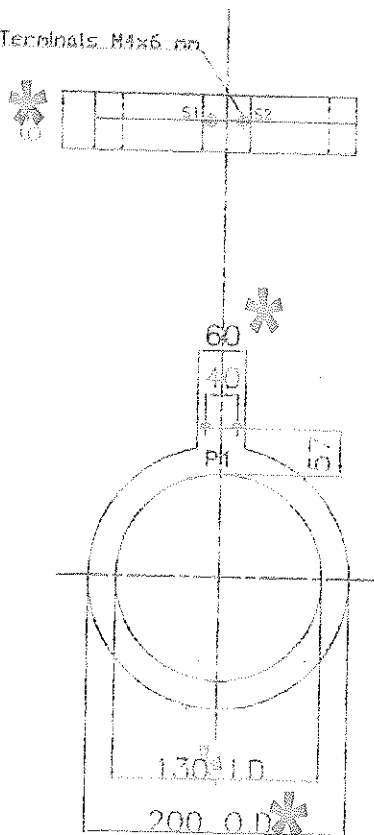
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IF IN DOUBT PLEASE ASK

DO NOT SCALE THE DRAWING

ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED

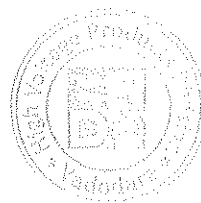
Sec. Terminals M4x6 mm



Test Report No.
 Date :
 Product :
 Verified By :
 Drawing No. :
 Drawing by :
 Drawing Date :
 Drawing Scale :
 Drawing Status :
 Drawing Version :
 Drawing Author :
 Drawing Checker :
 Drawing Approver :

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CT RATIO	3000/5
BURDEN	15 VA
CLASS	5P10
FREQUENCY	50
LINE VOLTS	IL 0.66/3.0 kV
NO. OF TURNS	600
CT ID/OD/HT	130/200/60
TOLERANCE IN DIMENSION	± 0.15 MM



NOTES:-
 1. All dimension are in mm.
 ID-Inner Dia, OD-Outer Dia
 HT-Height

DI	REV	ZONE	Added tolerance in dimension	SIGNATURE	DATE	PRINTS ISSUED TO
			BRIEF RECORD			
CUSTOMER/D/A NO.			SCALE	DRAWN PM 09.03.019		
USED ON/TYPE			N.T.S.	CHECKED PM 09.03.019		
TITLE				APPROVED MM 09.03.019		
RING TYPE EPOXY CT DETAIL				SHEET NO 1 OF 1		
PLANETRIC POWER LLP-412207				A4 LTCT008/2019		

DRAWING NO. FROM HT SIGN & DATE

THIS SUPERSEDES
 THIS IS SUPERSEDED BY

5/2019 30-03-2019