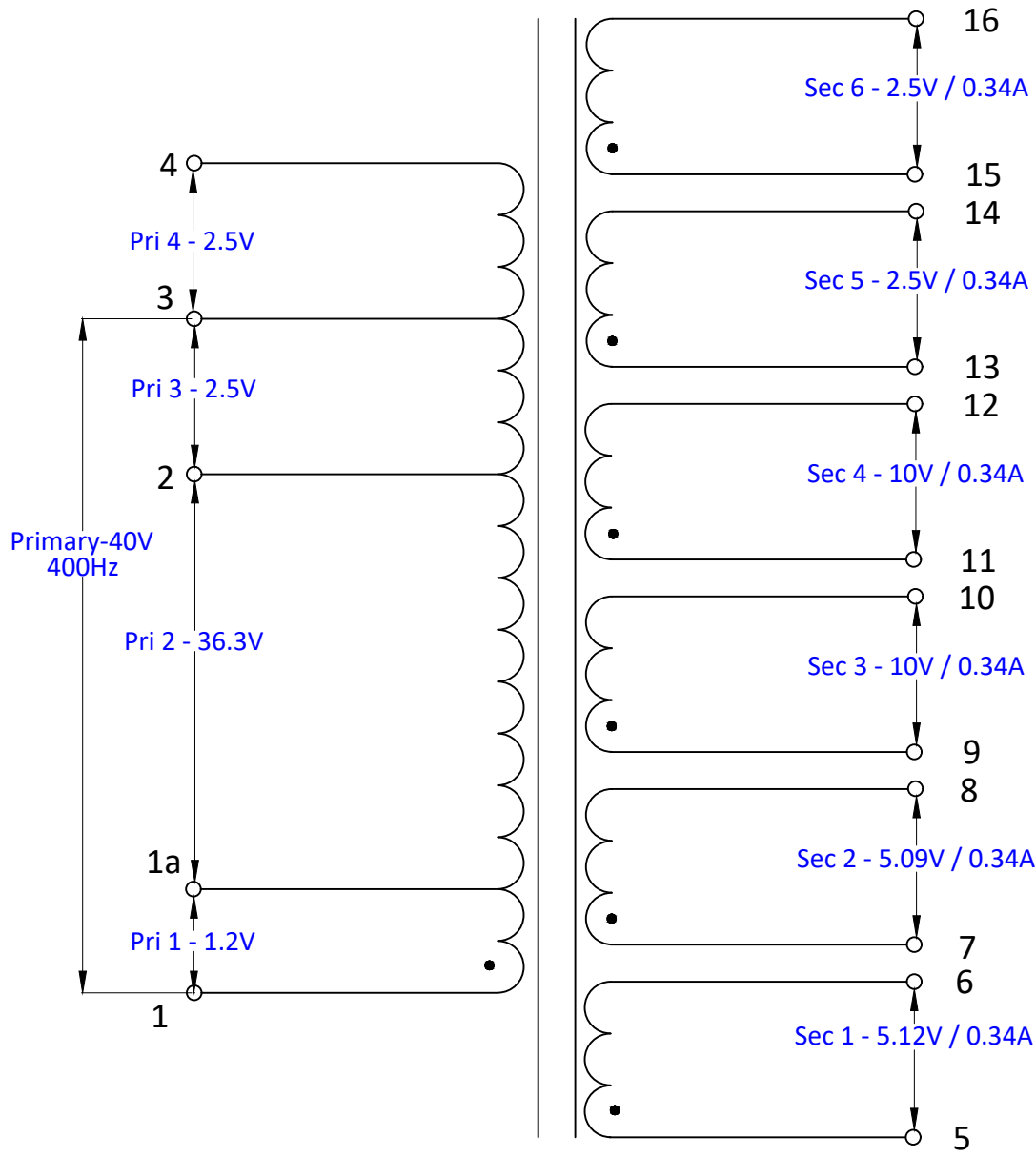


SCHEMATIC DIAGRAM



● Indicates the starting of Winding

ROHS COMPLIANT

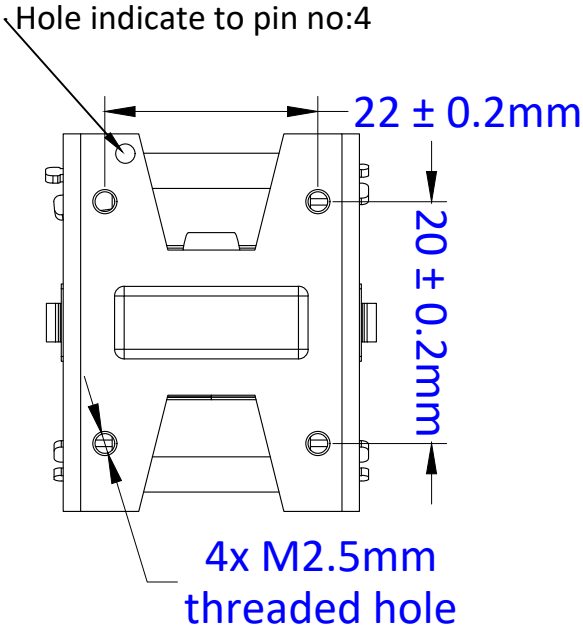
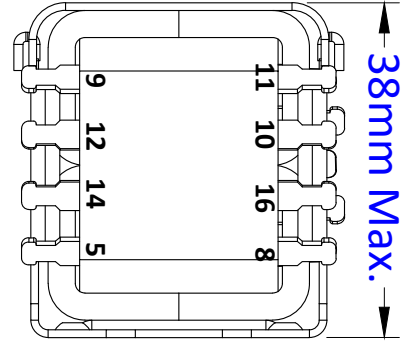
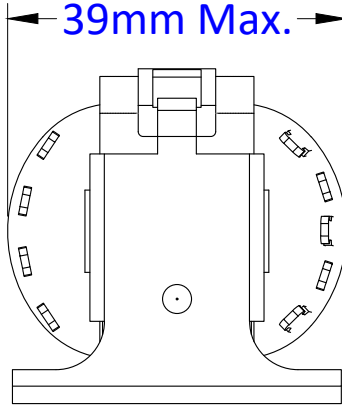
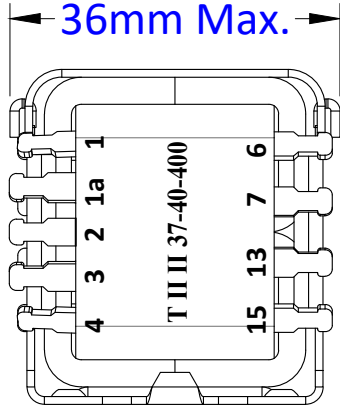
TITLE : Schematic Diagram					PART DESC			
					Transformer			
					CUSTOMER PART NO		SVM PART CODE	
							98055	
					REV	DATE	SHEET	
					A	12-07-2023	1 of 3	
CH LTR	ALT NO	SIGN	DATE	CHANGES				
				GENERAL TOLERANCE ± 0.05 mm UNLESS OTHERWISE SPECIFIED				
ALL DIMENSIONS ARE IN mm.						SCALE : NTS		
						SIZE : A4		
					DRAWN		CHECKED	APPROVED

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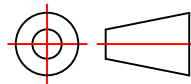
MECHANICAL DIMENSION



Deliveries to be only as per the approved sample. Any change in tool (making, replacement) and material only with prior approval.

ROHS COMPLIANT

TITLE : Mechanical Diagram				PART DESC		
				Transformer		
				CUSTOMER PART NO		SVM PART CODE
						98055
		REV	DATE	SHEET		
A		12-07-2023	Initial Release	A		2 of 3
CH LTR	ALT NO	SIGN	DATE	CHANGES		
ALL DIMENSIONS ARE IN mm.				GENERAL TOLERANCE ± 0.05 mm UNLESS OTHERWISE SPECIFIED		
				DRAWN		CHECKED
						APPROVED



SCALE : NTS
SIZE : A4

ELECTRICAL SPECIFICATION

1.Voltage given at the primary windings of the transformer

Mains rated voltage V. across terminals 1& 3	Voltage across			Tolerance %
	1-1a	2-3	3-4	
40V at 400Hz	1.2V	2.5V	2.5V	1% of mains Nominal voltage

2.Secondary winding voltage in open circuit condition

Open circuit current A (Max)	Secondary winding Voltage					
	Tolerance $\pm 3\%$				Tolerance $\pm 10\%$	
	5-6	7-8	9-10	11-12	13-14	15-16
0.27	5.8	5.8	11.5	11.5	2.85	2.85

3.Secondary voltage & current in rated load current

Primary current A (Max)	Secondary Voltage						Secondary Windings current A
	Tolerance $+10\%,-5\%$				Tolerance $+14\%,-10\%$		
	5-6	7-8	9-10	11-12	13-14	15-16	
0.47	5.12	5.09	10	10	2.5	2.5	0.34

ROHS COMPLIANT

TITLE : Electrical Specification

PART DESC

Transformer

CUSTOMER PART NO

SVM PART CODE

98055

REV

DATE

SHEET

A

12-07-2023

3 of 3

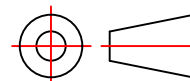
CH LTR

ALT NO

SIGN

DATE

CHANGES



SCALE : NTS

SIZE : A4

ALL DIMENSIONS ARE IN mm.

GENERAL TOLERANCE ± 0.05 mm
UNLESS OTHERWISE SPECIFIED

DRAWN

CHECKED

APPROVED

svm

CHENNAI

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ELECTRICAL SPECIFICATION

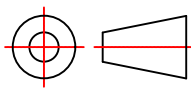

1. Insulation resistance : Across windings As well as between body & Windings : $\geq 1000M\Omega$ at 500VDC
2. Insulation strength :
 - Primary winding to body : 500V, 50Hz
 - Primary to secondary winding : 500V, 50Hz
 - Secondary winding & Body : 500V, 50Hz
 - Across the Secondary windings : 500V, 50Hz
3. Rated capacity VA : 12VA(Nom), 15VA(Max)
4. Primary winding voltage across 1&3 : 38V(Min), 42V(Max)
5. Main frequency Hz : 380Hz (Min), 1000Max
6. Temperature rise : $\leq 55^{\circ}C$
7. Part no : TPP 37-40-400
(Equivalent to Russian transformer TIII 37-40-400)

ENVIRONMENTAL TESTS :

The transformer will meet thermal & humidity requirements.

1. High operating temperature of medium : $85^{\circ} \pm 2^{\circ}C$
2. Low operating temperature of medium : $-60^{\circ}C$
3. Temperature variation of medium : $-60^{\circ}C$ to $+85^{\circ}C$
4. High relative humidity at temperature of medium $25^{\circ}C$: $98+0/-5\%$

ROHS COMPLIANT

TITLE : Electrical Specification				PART DESC			
				Transformer			
				CUSTOMER PART NO		SVM PART CODE	
						98055	
				REV	DATE	SHEET	
				A	12-07-2023	3 of 3	
CH LTR	ALT NO	SIGN	DATE	CHANGES			
			12-07-2023	Initial Release			
ALL DIMENSIONS ARE IN mm.			GENERAL TOLERANCE ± 0.05 mm UNLESS OTHERWISE SPECIFIED				
							SCALE : NTS
						SIZE : A4	
				DRAWN		CHECKED	APPROVED

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