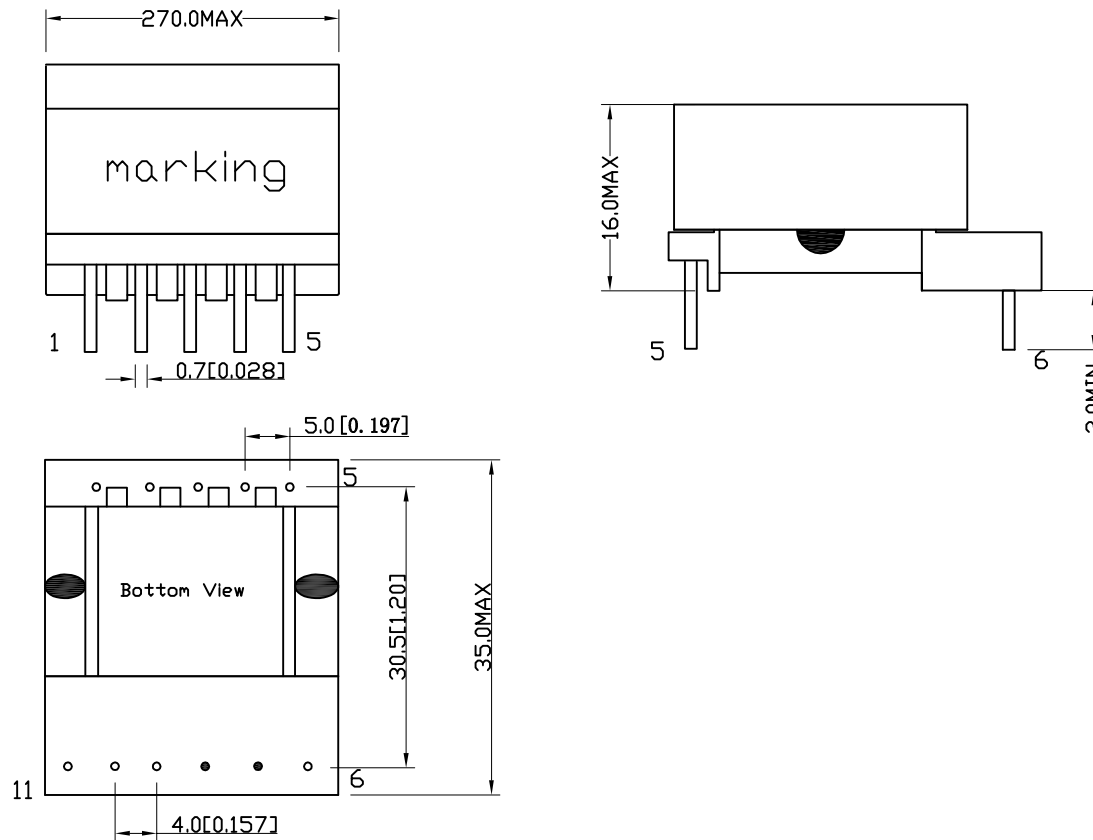


REV.	CHANGE DESCRIPTION	DATE
A	New Issue	2023-5-2

### 1. MECHANICAL DIMENSIONS :

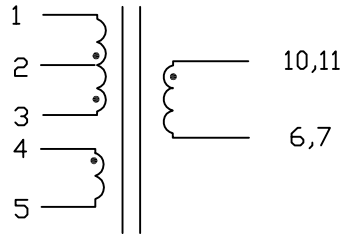


RoHS Compliant

NOTE.DIMENSIONS : MM(INCHES)/ UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE ±0.25(0.010).

	ECO TECH CO., LTD.	A4 SIZE	TAG PART NO.: 1DFD2502F	VENDOR PART NO.:		Drawn: Zhang Xue
						Designed: Yang Tian
THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF TAG TECHNOLOGY CO., LTD. AND SHALL NOT BE REPRODUCED OR USED AS THE BASIS FOR THE MANUFACTURE OR SELL OF APPARATUS OR DEVICES WITHOUT PERMISSION.		DESCRIPTION: XFMR, FLYBACK, 3750V ISOLATION	UNIT mm[inch]	USED ON	Approved: Deane	
			SHEET 1 OF 2	REV. A	Date: 2023-5-2	

## 2. SCHEMATIC:



2T	4-5 2UEW $\phi 0.2\text{mm}16\text{T}$
2T	2-1 2UEW $\phi 0.25\text{mm}50\text{T}$
2T	6-NC copper foil 0.025*13mm
2T	10,11-6,7 TIW-3 $\phi 0.32\text{mm} * 2\ 6\text{T}$
2T	5-NC copper foil 0.025*13mm
2T	3-2 2UEW $\phi 0.25\text{mm}9\text{T}$

5mm margin

## 3. ELLECTRICAL TES CHARACTERISTICS :

- $L(65\text{KHz}/0.3\text{V}):3-1=2.4\text{mH}\pm 5\%$
- TURNS RATIO:  
 $(3-2):(10,11-6,7):(2-1):(4-5)=91:26:50:16\pm 3\%$
- $LK(65\text{KHz}/0.3\text{V}):$   
 $(3-1,\text{Shorted other pins})=45\mu\text{H MAX}$
- DCR:  
 $(3-2)=1.6\ \Omega \text{ MAX}, (10,11-6,7)=160\text{m}\Omega \text{ MAX}$   
 $(5-4)=0.6\ \Omega \text{ MAX}, (1-2)=1.2\ \Omega \text{ MAX}$
- HI-POT:  
 PIN1,4 TO PIN10,11=AC 3750V/1mA MAX/60S  
 OR AC4500V/1mA MAX/2S  
 WINDING TO CORE=AC3750V/1mA MAX/60S  
 OR AC4500V/1mA MAX/2S  
 PIN1 TO PIN4=AC500V/1mA MAX/60S  
 OR AC600V/1mA MAX/2S
- OPERATING TEMPERATURE:-40°C to +125°C
- STORAGE TEMPERATURE:-25°C to +85°C

RoHS Compliant

**TAG** ECO TECH CO., LTD.

A4  
SIZE

TAG PART NO.:  
1DFD2502F

VENDOR PART NO.:

Drawn: Zhang Xue

Designed: Yang Tian

Approved: Deane

Date: 2023-5-2

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DESCRIPTION:  
XFMR, FLYBACK, 5V@4.8A,  
1500V ISOLATION

UNIT	mm[inch]	USED ON	
SHEET	2 OF 2	REV.	A