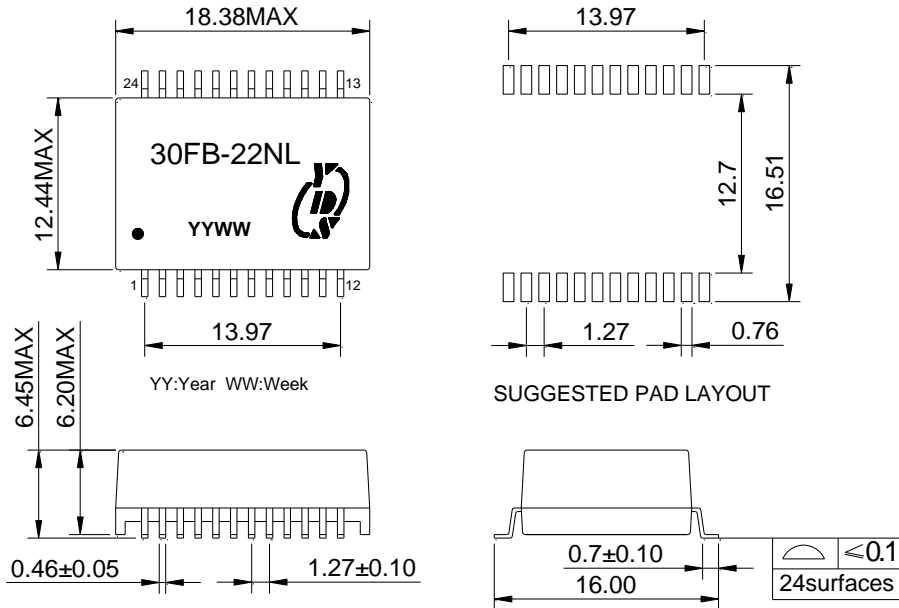
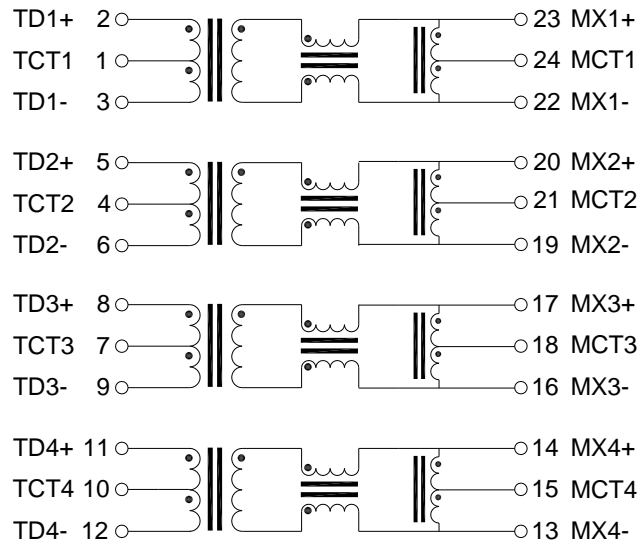


## 一、Mechanical Dimensions



UNIT: mm Unless otherwise specified, all tolerances are  $\pm 0.25$

## 二、Schematics



表号: TE0115A

REV.	DESCRIPTION	DATE	DWN	AP'PD
4.1	Correct POE	16.6.21	Huang	Hsu
4.2	Correct Characteristic	16.11.28	Zhang	Hsu
4.3	Add Characteristic	1612.12	Zhang	Hsu
4.4	Correct Characteristic	17.4.10	Zhang	Hsu
4.5	Correct Characteristic	23.5.2	Liu	Liu

## 三、ELECTRICAL SPECIFICATIONS@25°C:

- Turn Ratio( $\pm 5\%$ ): 1CT:1
- Inductance (100KHz/0.1V@8mA): 350uH MIN.
- Insertion Loss(dB MAX): -1.0dB(0.3-100MHz)
- Return Loss (dB MIN):-18dB(1-30MHz), -14.4dB(40MHz),-13.1dB(50MHz), -12dB(60-80MHz), -10dB(100MHz)
- Cross Talk(dB MIN): -30dB(1-100MHz)
- DCMR(dB MIN): -43dB(30MHz),-37dB(80MHz), -33dB(100MHz)
- HI-POT: 1500Vrms/0.5mA/60Sec or 1650Vrms/0.5mA/2Sec
- Operating Temperature:-40°C TO +85°C
- 0.35A Current Carrying Capacity Per Pair On Line-Side For High Power POE Applications.
- Pri DCR: 0.9  $\Omega$  MAX
- Sec DCR: 1.2  $\Omega$  MAX
- Insulation Resistance: 100V/100M  $\Omega$
- RoHS compliance: YES



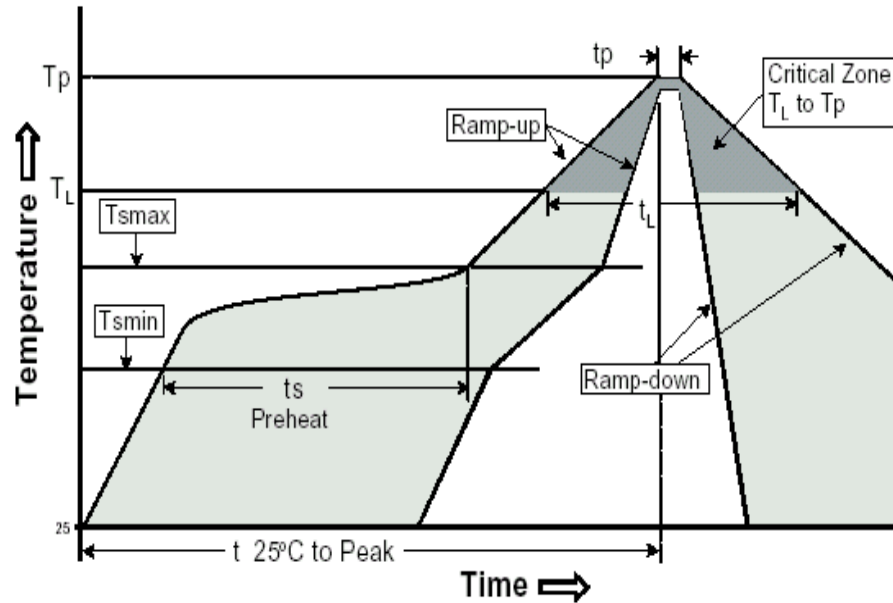
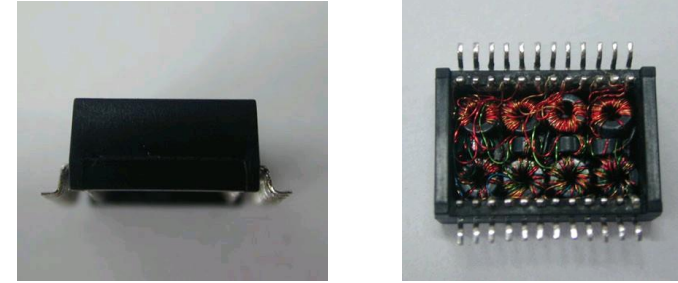
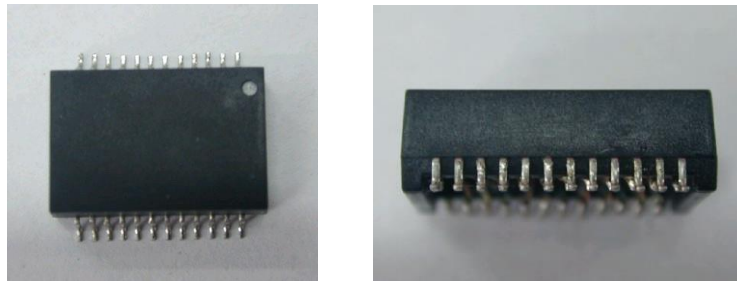
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YUAN DEAN SCIENTIFIC CO., LTD.

TITLE	100/1000BASE-T POE MAGNETIC MODULE		
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四、Our RoHS parts just can withstand IR Reflow peak temperature: 245degC+/-5degC as the following profile:

REV.	DESCRIPTION	DATE	DWN	AP'PD



Profile Feature	Pb-Free Assembly
Average Ramp-Up Rate ( $T_{s_{max}}$ to $T_p$ )	3°C /second max.
<b>Preheat</b> -Temperature Min ( $T_{s_{min}}$ ) -Temperature Max ( $T_{s_{max}}$ ) -Time ( $t_{s_{min}}$ to $t_{s_{max}}$ )	150°C 200°C 60-180 seconds
<b>Time maintained above:</b> -Temperature ( $T_l$ ) -Time ( $t_l$ )	217°C 60-150 seconds
Peak/Classification Temperature ( $T_p$ )	245±5°C
Time within 5°C of actual Peak Temperature ( $t_p$ )	20-40 seconds
Ramp-Down Rate	6°C/seconds max
Time 25°C to Peak Temperature	6minutes max.

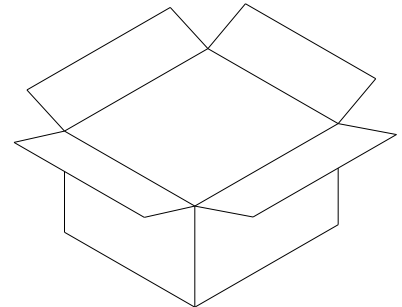
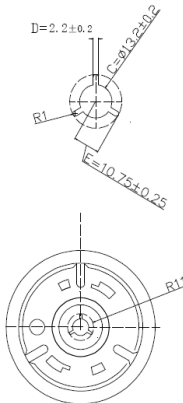
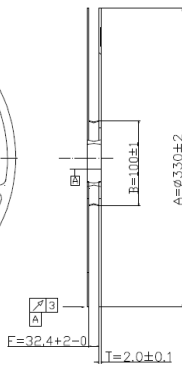
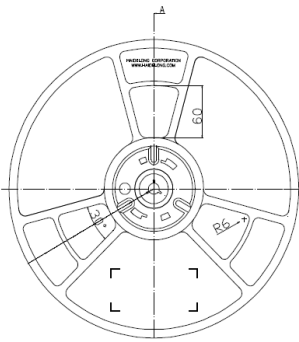
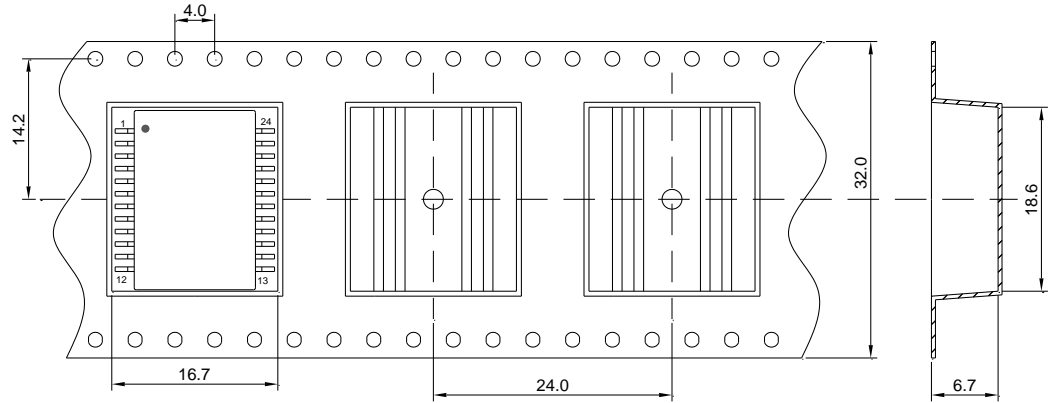
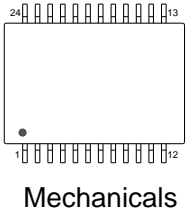


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<b>TITLE</b>	<b>100/1000BASE-T POE MAGNETIC MODULE</b>		
<b>P/N</b>	<b>30FB-22NL</b>	<b>REV.</b>	<b>4.5</b>
<b>PAGE NO</b>	<b>2-3</b>	<b>DATE</b>	<b>2023-5-2</b>
<b>AP'PD</b>	<b>Liu ZhiJun</b>	<b>DWN</b>	Liu

# 五、 Packing Information:

REV.	DESCRIPTION	DATE	DWN	AP'PD

- 1.Weight-----2.1 grams/pcs
- 2.Tape & Reel----- 400 pcs
- 3. outer carton unit: 3200pcs/box
- 4. outer carton unit: 8T&R/box
- 5.Weight: 11.5kg per carton



Outer carton: 365x365x350mm



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