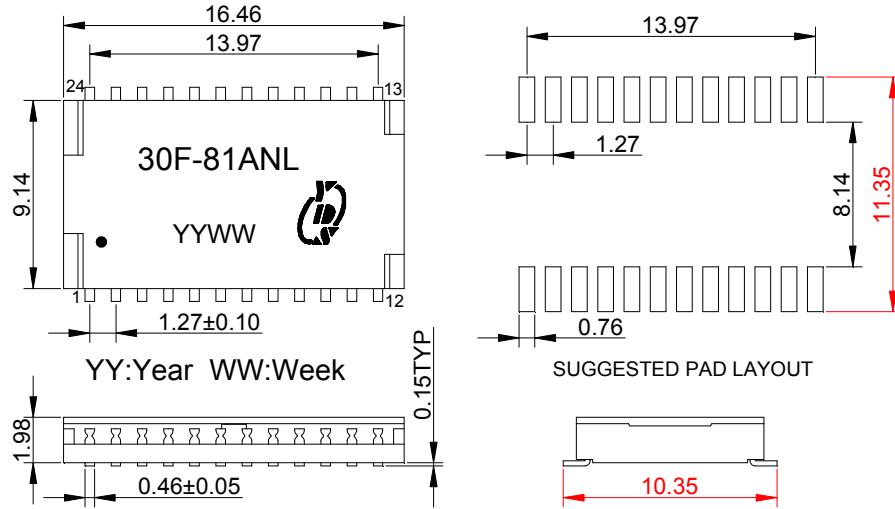
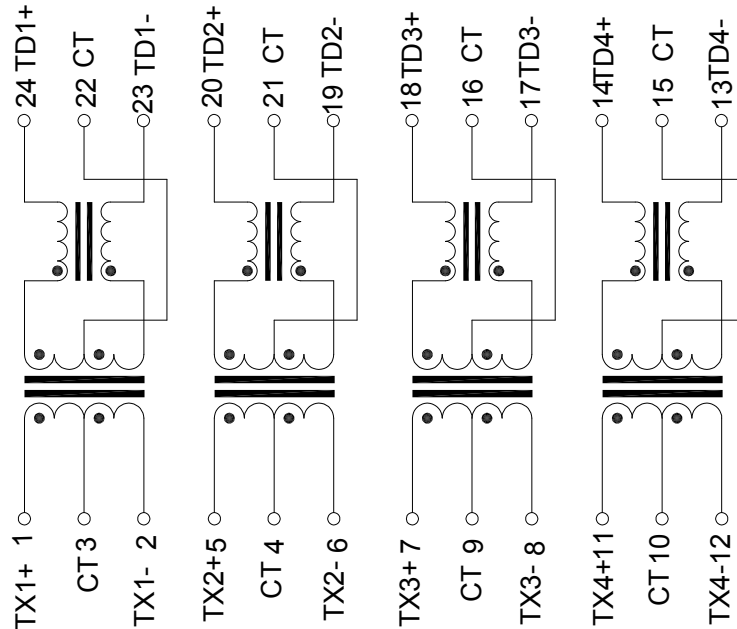


一、Mechanical Dimensions



UNIT: mm Unless otherwise specified, all tolerances are ± 0.25

二、Schematics



表号: TE0115A

REV.	DESCRIPTION	DATE	DWN	AP'PD
0		10.4.30	Hu	Li
1.0	Correct appearance	10.8.2	Hu	Li
2.0	Correct IR&Packing	15.6.12	Chen	Hsu
3.0	Add Photos	15.12.2	Huang	Hsu
3.1	Update appearance	20.1.21	Chen	Liu

三、ELECTRICAL SPECIFICATIONS@25°C:

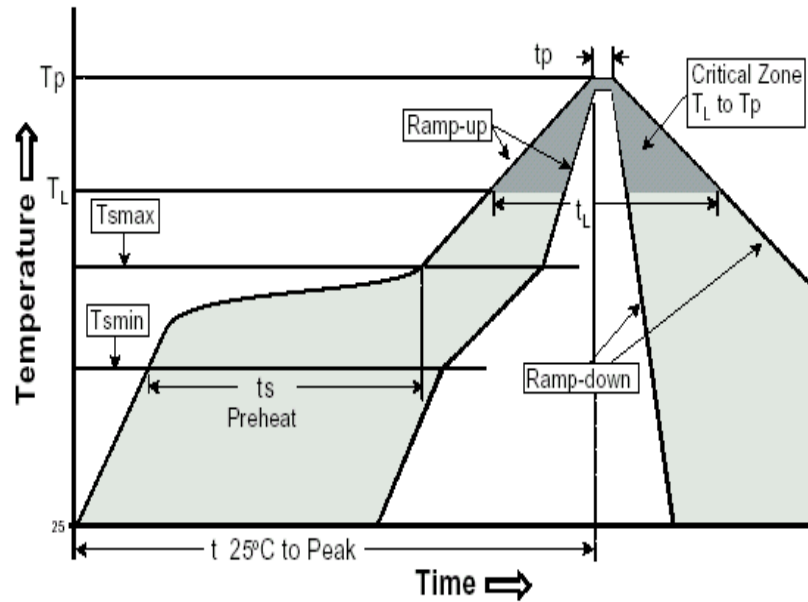
1. Turn Ratio($\pm 5\%$): 1CT:1CT
2. Inductance(100KHz/0.1V@8mA):350uH MIN
3. Insertion Loss (dB MAX): -1.2dB(0.1MHz), $-0.2-0.002*f^{1.4}$ dB(1-125MHz)
4. Return Loss (dB MIN): -16dB(0.1-40MHz),
-10 +20Log₁₀(f/80MHz)dB(40-100MHz)
5. Cross talk (dB TYP): -50dB(1MHz), $-55+22\text{Log}_{10}(f/10\text{MHz})$ dB(10-100MHz)
6. CMR (dB MIN): -42dB(2MHz), $-15+20\text{Log}_{10}(f/200\text{MHz})$ dB(30-200MHz)
7. DCR:1.6Ω MAX
8. HI-POT: 1500Vrms/0.5mA/60Sec or 1650Vrms/0.5mA/2Sec
9. Operating Temperature:0°C TO +70°C
10. RoHS compliance:YES

	元册科技股份有限公司 YUAN DEAN SCIENTIFIC CO., LTD.			
	TITLE	100/1000BASE-T FILTER		
	P/N	30F-81ANL	REV.	3.1
	PAGE NO	1-3	DATE	2020-1-21
	AP'PD	Liu ZhiJun	DWN	Chen JiaPei

四、RoHS compliant type

Our RoHS parts just can withstand IR Reflow peak temperature: 240degC MAX as the following profile:

REV.	DESCRIPTION	DATE	DWN	AP'PD



Profile Feature	Pb-Free Assembly
Average Ramp-Up Rate (T_{smax} to T_p)	3°C /second max.
Preheat -Temperature Min (T_{smin}) -Temperature Max (T_{smax}) -Time (t_{smin} to t_{smax})	150°C 200°C 60-120 seconds
Time maintained above: -Temperature (T_L) -Time (t_L)	217°C 60-150 seconds
Peak/Classification Temperature (T_p)	240°C MAX
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.



元册科技股份有限公司

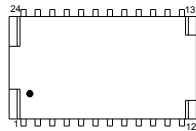
YUAN DEAN SCIENTIFIC CO., LTD.

TITLE	100/1000BASE-T FILTER		
P/N	30F-81ANL	REV.	3.1
PAGE NO	2-3	DATE	2020-1-21
AP'PD	Liu ZhiJun	DWN	Chen JiaPei

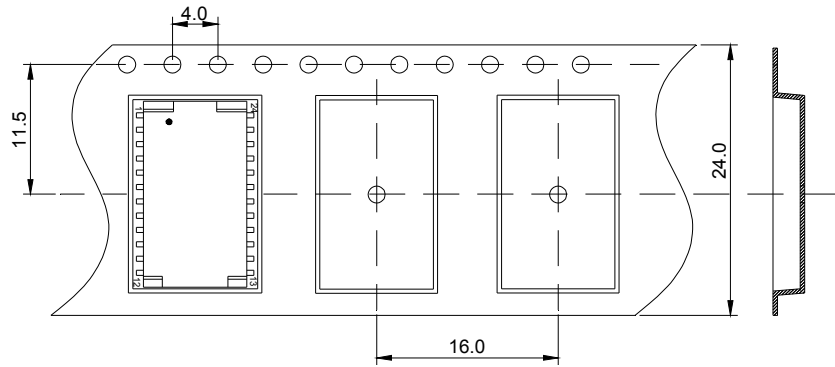
五、 Packing Information:

REV.	DESCRIPTION	DATE	DWN	AP'PD

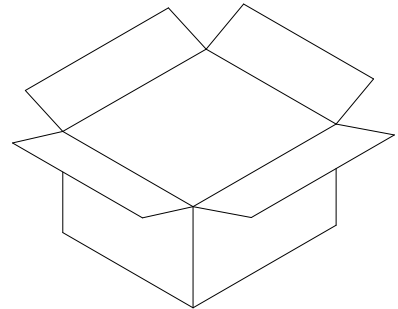
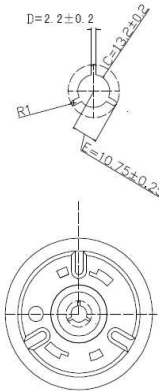
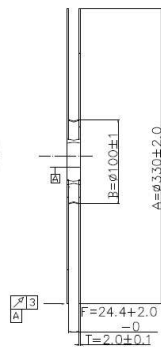
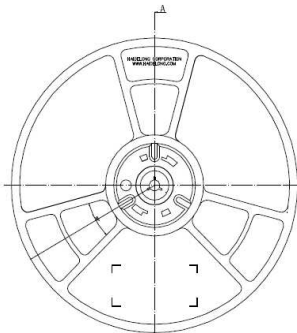
1. Weight-----0.56grams/pcs
2. Tape & Reel----- 1400pcs
3. outer carton unit: 14000pcs/box
4. outer carton unit: 10T&R/box
5. Weight: 11.9kg per carton



Mechanicals



Tape & Reel



Outer carton: 365x365x350mm



元册科技股份有限公司

YUAN DEAN SCIENTIFIC CO., LTD.

TITLE

100/1000BASE-T FILTER

P/N

30F-81ANL

REV.

3.1

PAGE NO

3-3

DATE

2020-1-21

AP'PD

Liu ZhiJun

DWN

Chen JiaPei