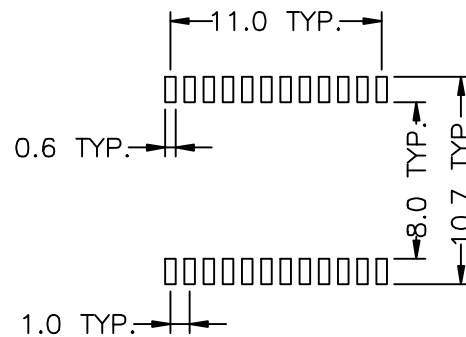
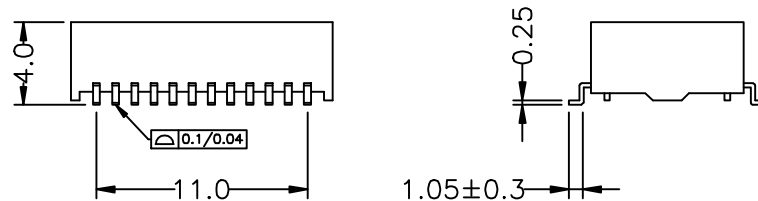
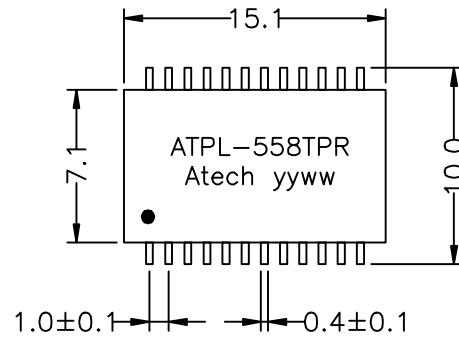
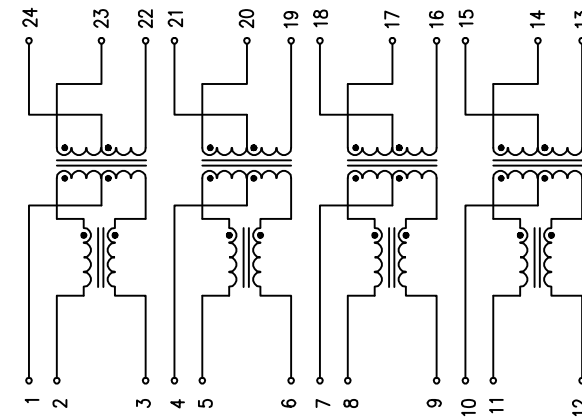




SUGGESTED PAD LAYOUT

UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE $\pm 0.25\text{mm}$



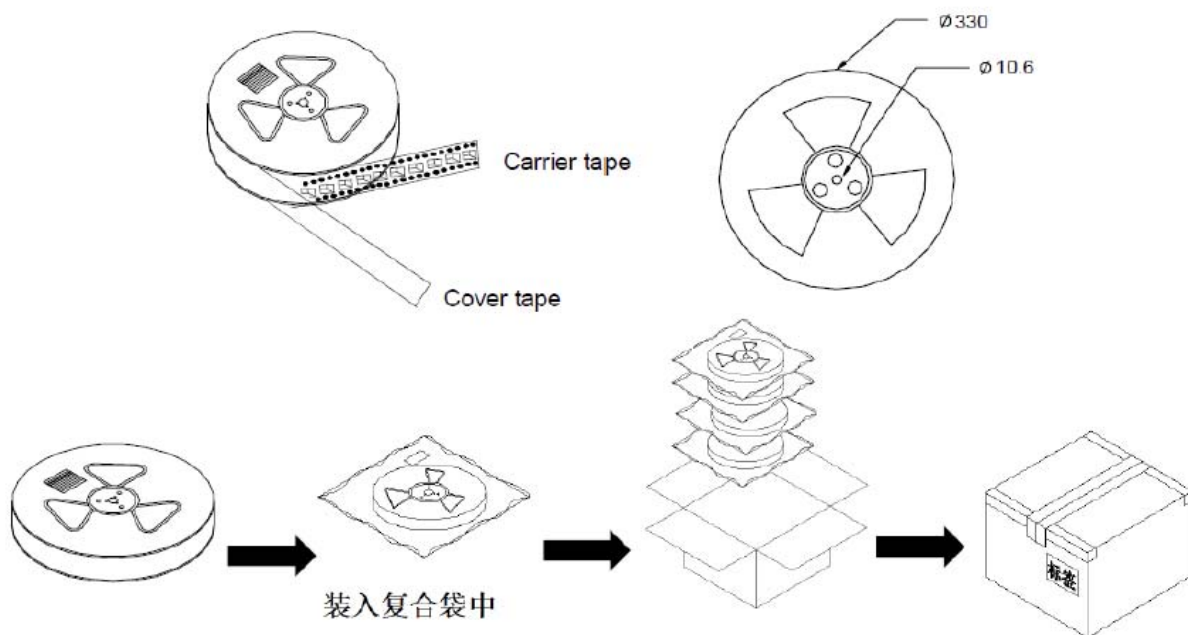
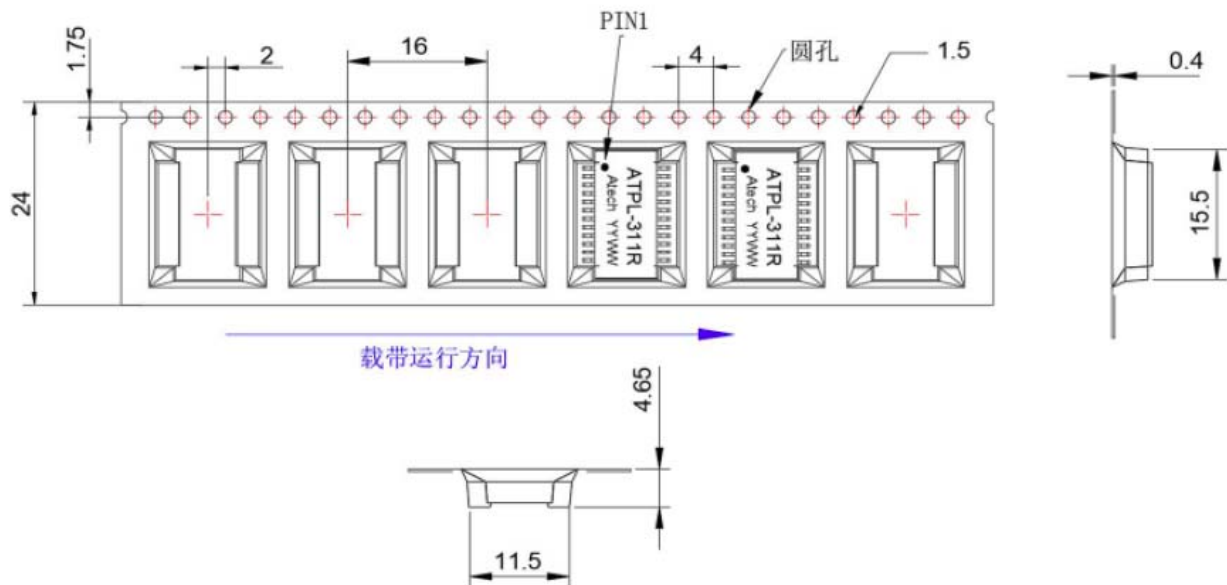
* RoHS COMPLIANT

ELECTRICAL CHARACTERISTICS@25°C

1. OCL : (@100kHz, 0.1V, 8mA DC Bias) : 180uH MIN.
2. DCR : 1.0Ω MAX.
3. TURNS RATIO : 1CT : 1CT $\pm 5\%$
4. INSERTION LOSS : (@1-50MHz) : -0.5dB MAX.
(@50-125MHz) : -1.0dB MAX.
(@125-200MHz) : -2.0dB MAX.
5. RETURN LOSS : (@1-40MHz) : -20dB MIN.
(@40-100MHz) : -16dB MIN.
(@100-150MHz) : -12dB MIN.
(@150-200MHz) : -10dB MIN.
6. CROSS TALK : (@1-125MHz) : -30dB MIN.
(@125-200MHz) : -25dB MIN.
7. COMMON MODE REJECTION : (@1-125MHz) : -30dB MIN.
(@125-200MHz) : -20dB MIN.
8. ISOLATION HIPOT : (@1500VAC, 1mA, 60S)
9. Comply with IEEE802.3bz & 802.3at
10. Suitable for End-span PoE applications with 720mA current capability
11. OPERATING TEMPERATURE : -40°C TO +85°C
12. STORAGE TEMPERATURE : -40°C TO +105°C

								TITLE 2.5G BASE-T TRANSFORMER	
								DWG. NO. ATPL-558TPR	
	RELEASE	05/09/2022	SHIRLEY	BETTY	BETTY	UNITS: M/M	SAFETY		SHEET 1 of 1
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE	P/N:	DRAW	
REVISIONS						05/09/22			SHIRLEY

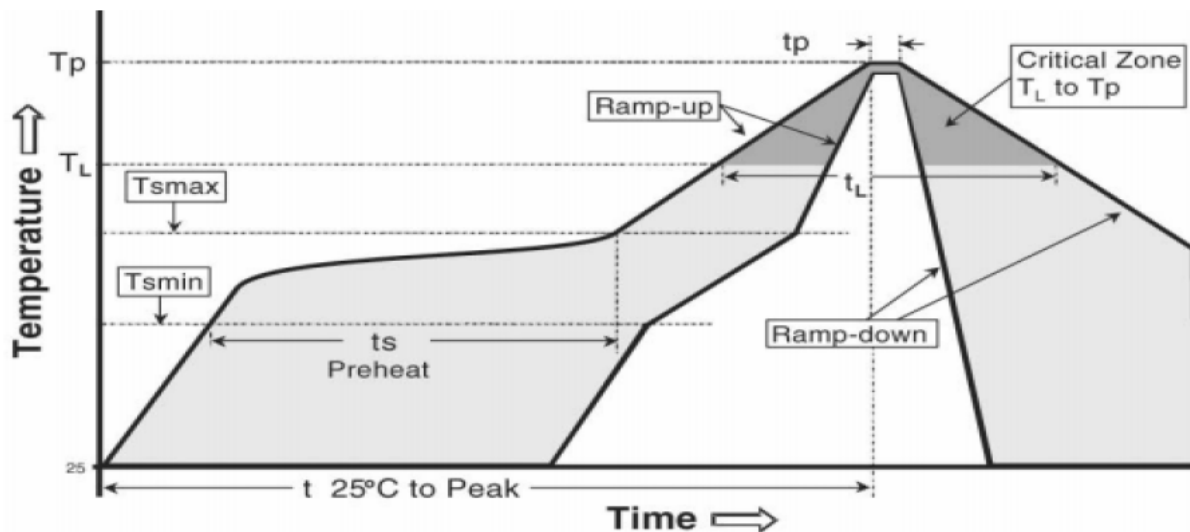
3. Package :



零件包装符合EIA-481 standard(拉力 0.26N~1.3N)

Product	PCS/Reel	PCS/Box	Product No.	Weight(g/pcs)
SMD 24 PIN Series	800	800x8=6400		

5. Pb-free Soldering Heat Withstanding Survey (SMD)



reflow profile

Form-1 (Reference JEDEC J-STD-020D Table 5-2))

Profile Feature	Sn-Pb Eutectic Assembly	Pb-Free Assembly
Average ramp-up rate (T_{smax} to T_p)	3°C/second max	3°C/second max
Preheat		
Temperature Min (T_{smin})	100°C	150°C
Temperature Min (T_{smax})	150°C	200°C
Time (T_{smin} to T_{smax}) (t_s)	60-120seconds	60-180seconds
Time maintained above Temperature (T_L)	183°C	217°C
Time (t_L)	60-150seconds	60-150seconds
Peak Temperature (T_p)	225°C	260°C
Time within 5°C of actual Peak Temperature (T_p) ²	20 seconds	30 seconds
Ramp-down Rate	6°/second max	6°/second max
Time 25°C to Peak Temperature	6minutes max	8minutes max