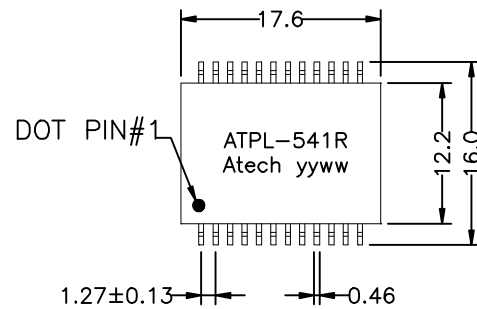
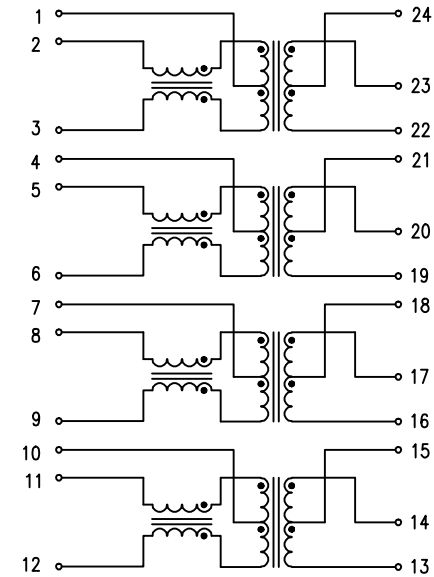


SUGGESTED PAD LAYOUT



* RoHS COMPLIANT

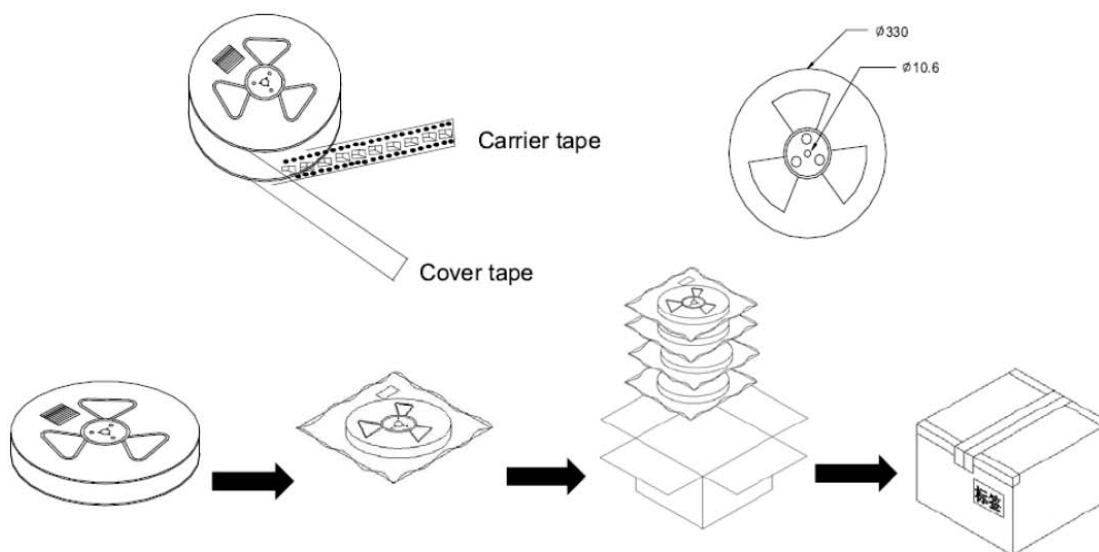
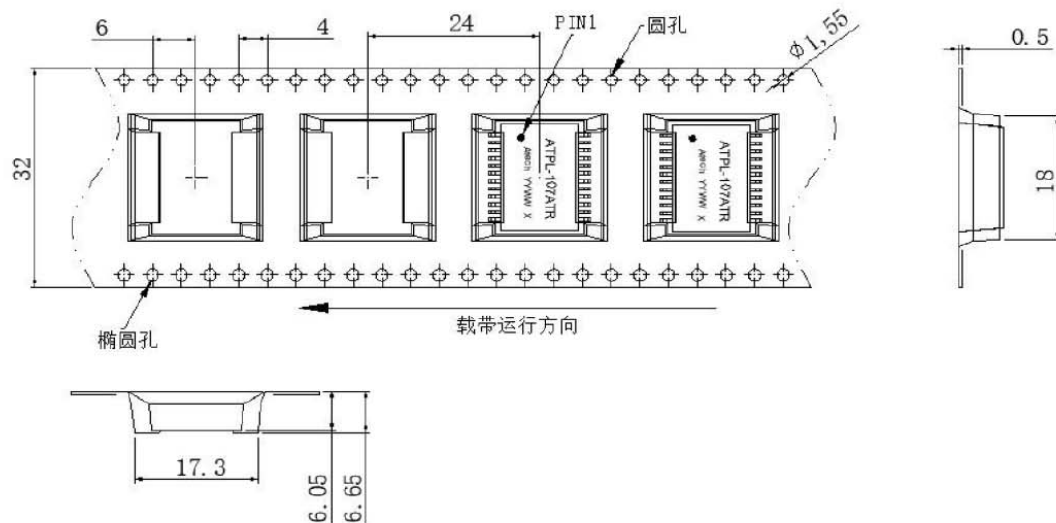
ELECTRICAL CHARACTERISTICS@25°C

1. OCL : (@100kHz, 0.1V) : 180uH MIN. @100kHz, 0.1V
2. DCR : 1.0Ω MAX.
3. TURNS RATIO : 1CT : 1CT ±5%
4. INSERTION LOSS : (@1-100MHz) : -1.0dB MAX.
(@100-125MHz) : -1.5dB MAX.
5. RETURN LOSS : (@1≤f≤40MHz) : -16dB MIN.
(@40<f≤250MHz, where f is in MHz) : -16+10 log (f/40)dB MIN.
6. CROSS TALK : (@1-125MHz) : -30dB MIN.
7. COMMON MODE REJECTION : (@1-125MHz) : -30dB MIN.
8. ISOLATION HIPOT : (@1500VAC, 1mA, 60S)
9. Comply with IEEE802.3bz & 802.3af
10. Suitable for End-span PoE applications with 350mA current capability
11. OPERATING TEMPERATURE : 0°C to +70°C
12. STORAGE TEMPERATURE : -25°C to +105°C

UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE ±0.25mm

								TITLE	
								2.5G TRANSFORMER	
								DWG. NO.	
								ATPL-541R	
	RELEASE	08/25/2020	SHIRLEY	BETTY	BETTY	UNITS:	SAFETY		
						M/M			
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE	P/N:	SHEET 1 of 1	
REVISIONS						08/25/20	DRAW		
							SHIRLEY		

3. Package:



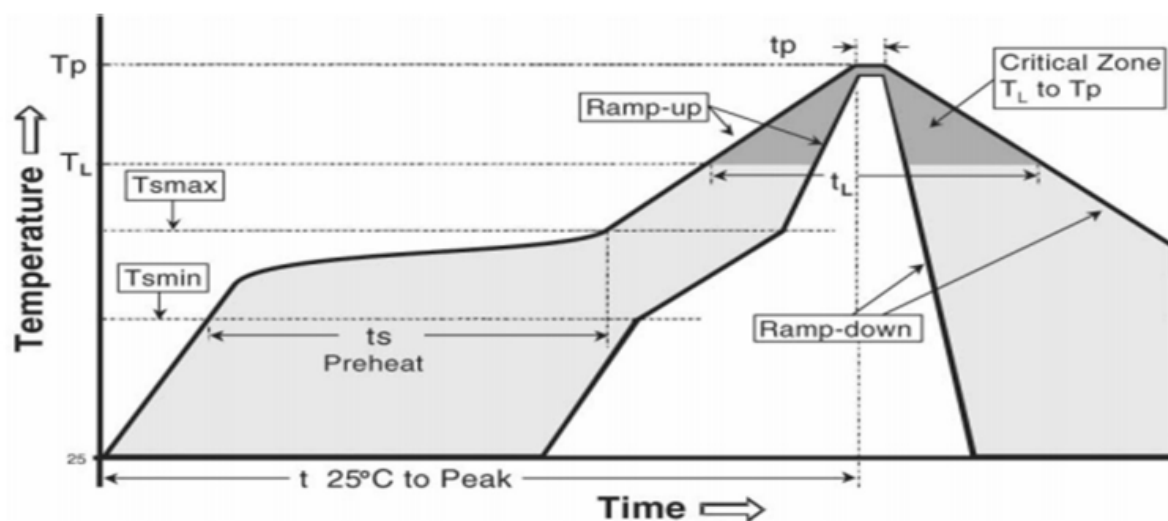
Product	PCS/Reel	PCS/Box	Product No.	Weight(g/pcs)
SMD 24 PIN Series	400	400x6=2400		1.45

Remarks:

- 1) Packing Level & Storage Condition based on MSL1
- 2) ESD package
- 3) Parts packaging meet EIA-481 standard (pull 0.26N~1.3N)

Pb-free Soldering Heat Withstanding Survey

SUGGEST PROFILE



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}) (ts)	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