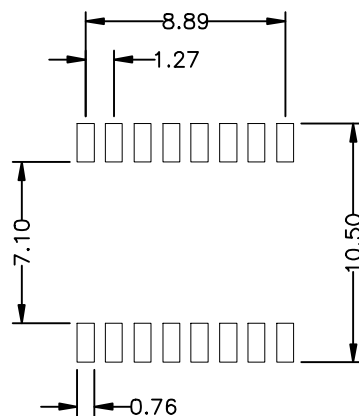
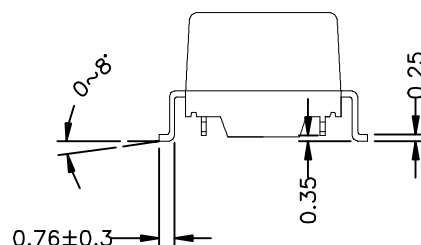
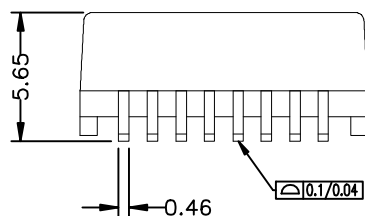
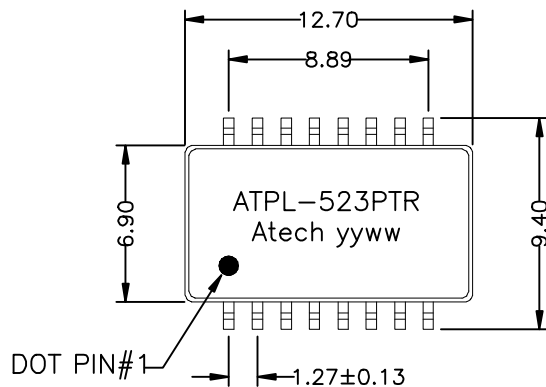
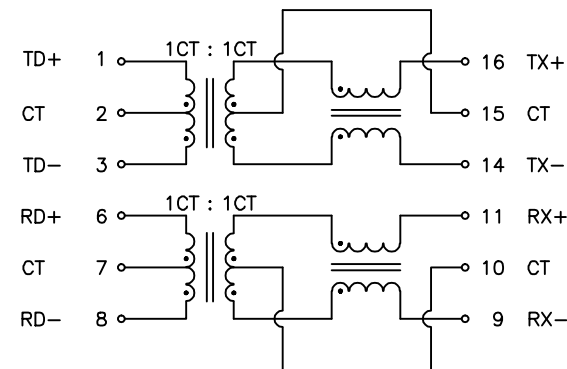




SUGGESTED PAD LAYOUT

UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE : ±0.25mm



- * OPERATING TEMPERATURE RANGE : -40°C~+105°C
- * Storage temperature range : -40°C to +125°C
- * RoHS COMPLIANT

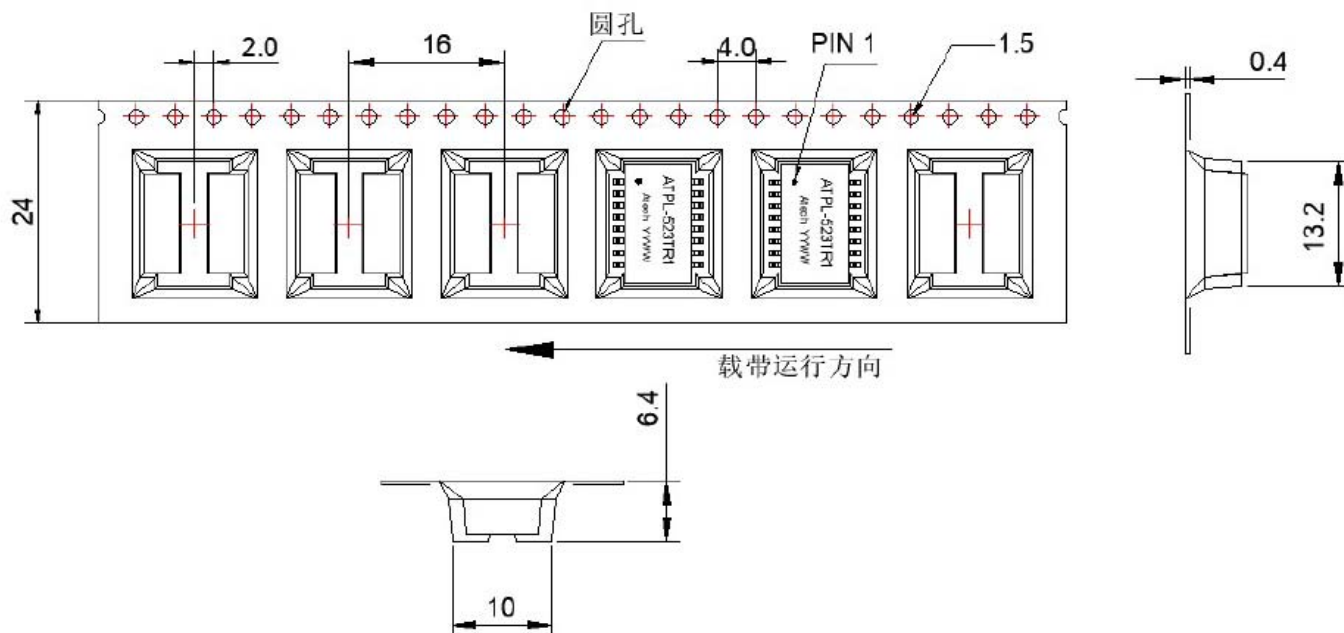
ELECTRICAL SPECIFICATIONS @25°C:

1. TURNS RATIO : TX = 1CT : 1CT ±5%
RX = 1CT : 1CT ±5%
2. OCL (100kHz/0.1V WITH 8mA/DC BIAS) :
PIN 1-3 = 6-8 = 350uH MIN.
3. LEAKAGE INDUCTANCE : PIN 1-3 (PIN 16,14 SHORT) = 0.5uH MAX.
PIN 6-8 (PIN 11,9 SHORT) = 0.5uH MAX.
4. Cw/w : PIN 2-15 & 7-10 = 35pF MAX.
5. DCR : PIN 16-14 = 11-9 = 1.2Ω MAX.
PIN 1-3 = 6-8 = 0.7Ω MAX.
6. INSERTION LOSS : 1-100MHz = -1.1dB MAX.
7. RETURN LOSS (@100Ω) : 1-30MHz = -18dB MIN.
40MHz = -14.4dB MIN.
50MHz = -13.1dB MIN.
60-80MHz = -12dB MIN.
80-100MHz = -10dB MIN.
8. DCMR : 1-100MHz = -30dB MIN.
9. CROSS TALK : 1-100MHz = -30dB MIN.
10. HI-POT : 1500Vrms, 1mA, 60SEC (PRI to SEC)
11. Suitable for End-span PoE applications with 720mA current capability

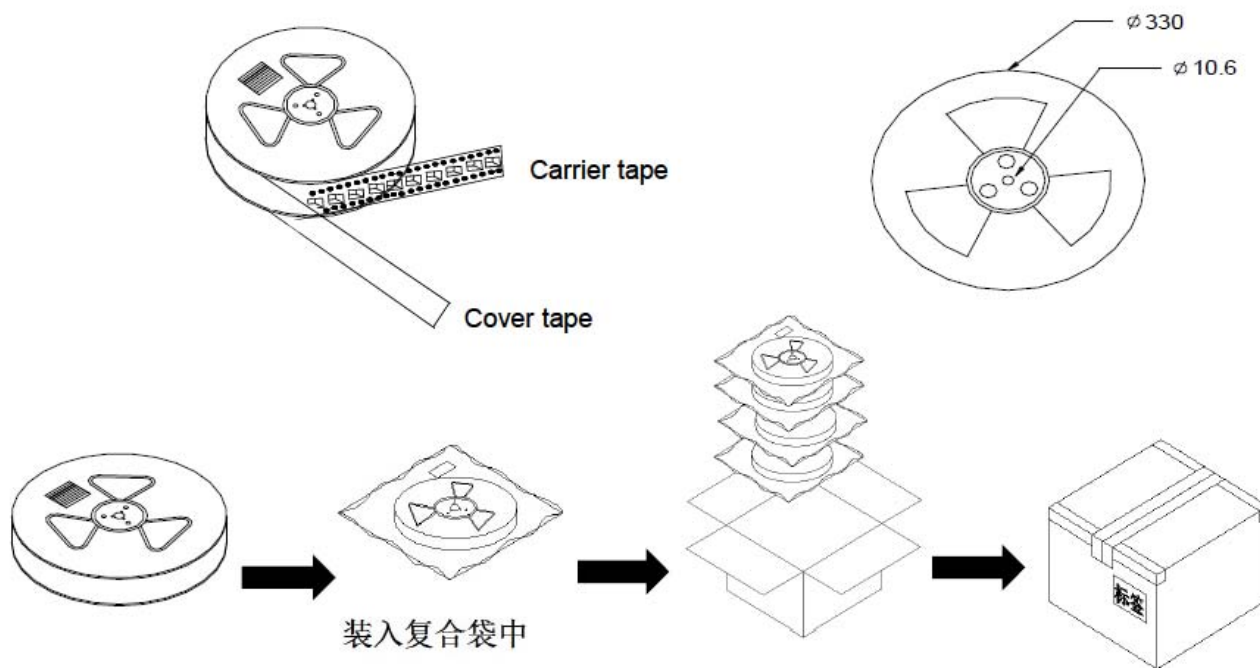
Compliant with IEEE 802.3u & 802.3at standard

						AOEM_{INC.}		TITLE 10/100 BASE-TX PoE TRANSFORMER	
								DWG. NO. ATPL-523PTR	
	RELEASE	01/12/2024	SHIRLEY	BETTY	BETTY	UNITS: M/M	SAFETY		
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE 01/12/2024	P/N:	SHEET 1 of 1	
REVISIONS						DRAW SHIRLEY			

Package :



PACKAGE



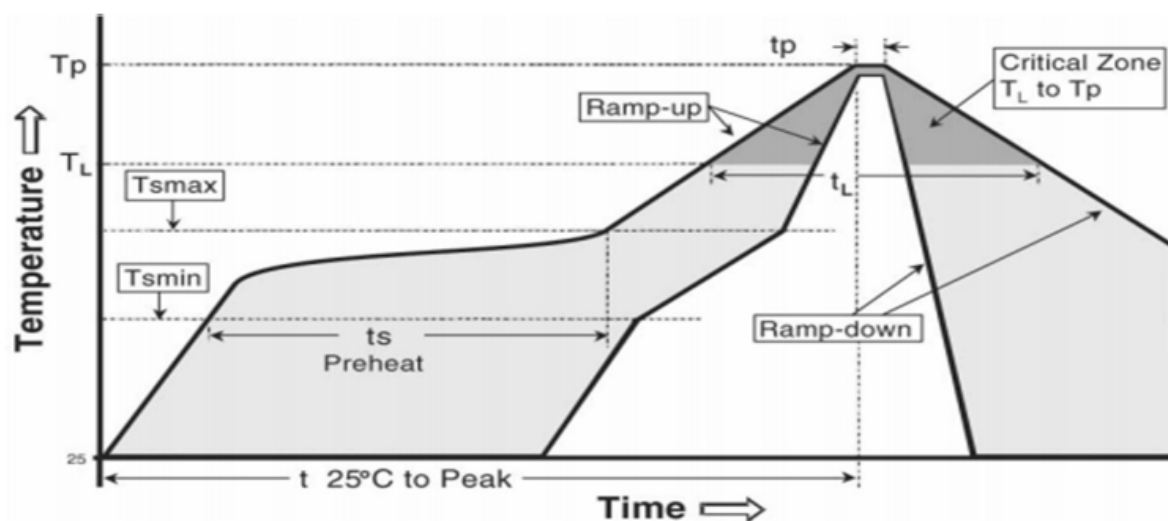
备注：包材（卷盘、上封带、载带）变更为防静电材料，
防静电标准： $10^4 \leq R_s < 10^{11} \Omega$ ，期限是1-3年。

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 16 PIN Series	750	750x9=6750		0.6

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 (Tsmax to Tp)	3°C/second max	3°C/second max
Preheat Temperature Min (Tsmmin)	100°C	150°C
Temperature Min (Tsmmax)	150°C	200°C
Time (Tsmmin to Tsmmax) (ts)	60-120seconds	60-180seconds
Time maintained above Temperature (TL)	183°C	217°C
Time (tL)	60-150seconds	60-150seconds
Peak Temperature (Tp)	225°C	260°C
Time within 5°C of actual Peak Temperature (Tp) ²	20 seconds	30 seconds
Ramp-down Rate	6°/second max	6°/second max
Time 25°C to Peak Temperature	6minutes max	8minutes max