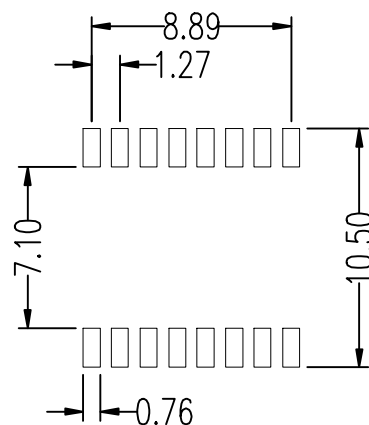
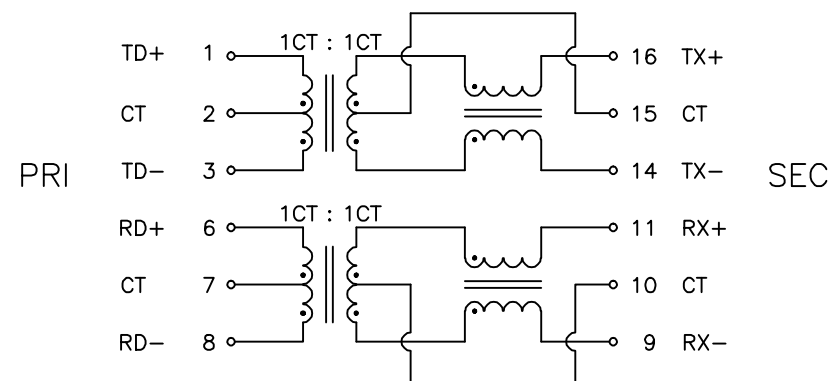




SUGGESTED PAD LAYOUT

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



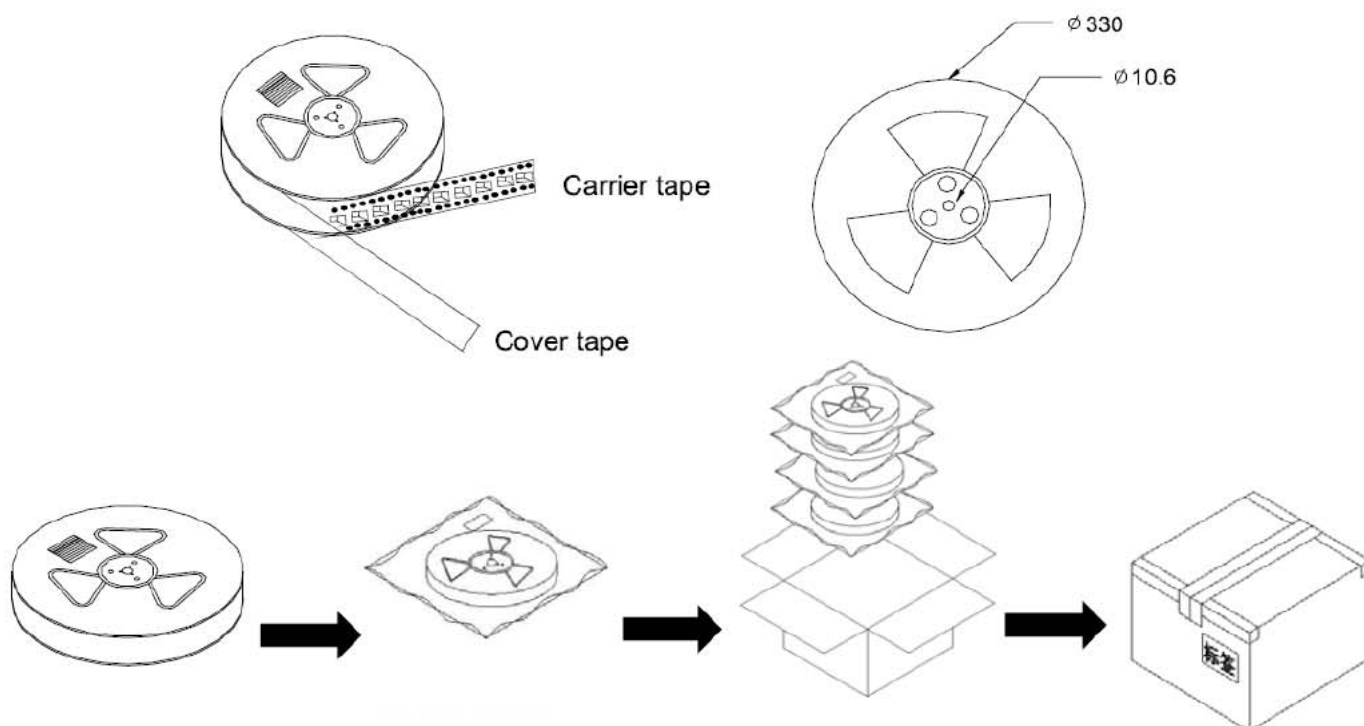
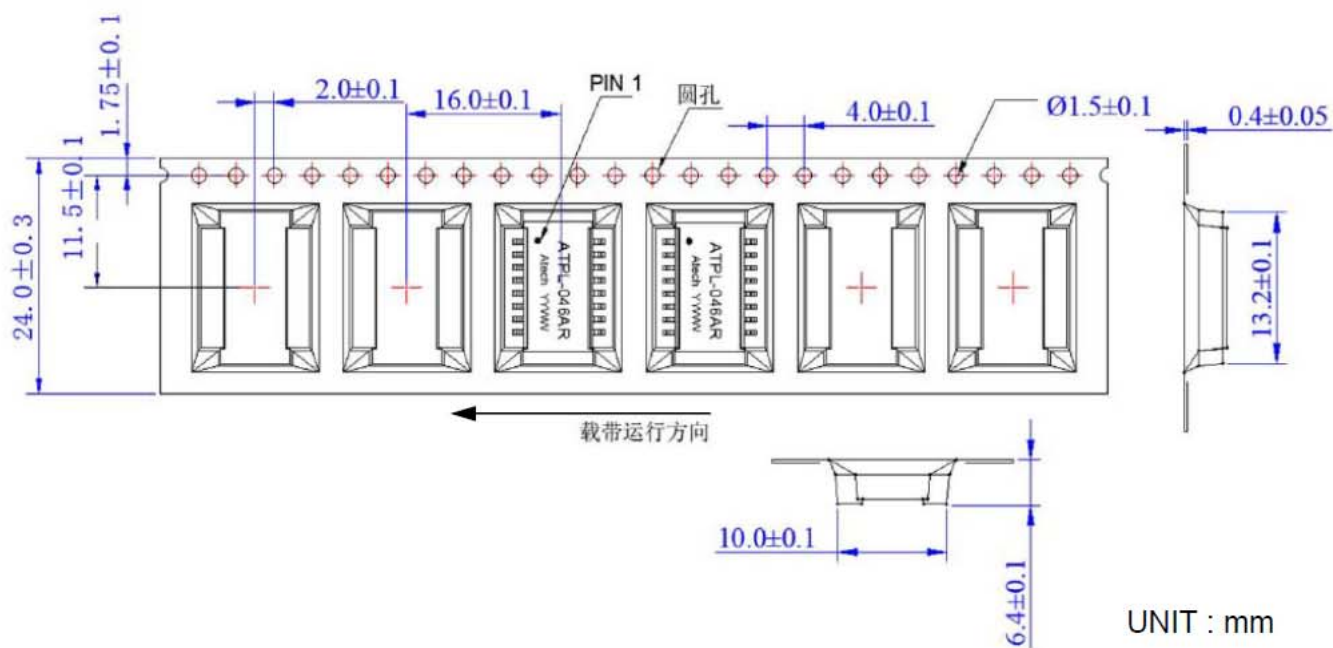
- Ⓐ * Compliant with IEEE 802.3 standard
- * OPERATING TEMPERATURE RANGE : -40°C~+85°C
- * STORAGE TEMPERATURE RANGE : -40°C~+125°C
- * RoHS COMPLIANT

ELECTRICAL SPECIFICATIONS @25°C:

1. TURNS RATIO : TX = 1CT : 1CT $\pm 5\%$
RX = 1CT : 1CT $\pm 5\%$
2. OCL (100kHz/0.1V WITH 8mA/DC BIAS) :
PIN 1-3 = 6-8 = 350uH MIN.
3. LEAKAGE INDUCTANCE (100kHz, 0.2V) :
PIN 1-3 (PIN 16,14 SHORT) = 0.5uH MAX.
PIN 6-8 (PIN 11,9 SHORT) = 0.5uH MAX.
4. C_w/w (100kHz, 0.2V) : PIN 2-15 & 7-10 = 28pF MAX.
5. DCR : PIN 16-14 = 11-9 = 1.1 Ω MAX.
PIN 1-3 = 6-8 = 0.7 Ω MAX.
6. INSERTION LOSS : 1-100MHz = -1.0dB MAX.
7. RETURN LOSS (@100 Ω) : 1-30MHz = -18dB MIN.
40MHz = -14.4dB MIN.
50MHz = -13.1dB MIN.
80MHz = -12dB MIN.
100MHz = -10dB MIN.
8. DCMR : 1-100MHz = -30dB MIN.
9. CROSS TALK : 1-100MHz = -30dB MIN.
10. HI-POT : 1500Vrms, 1mA, 60SEC (1-3 & 6-8 to 16-14 & 11-9)

G	CHANGE PRINT	04/16/2024	SHIRLEY	BETTY	BETTY		TITLE 10/100 BASE-TX PoE TRANSFORMER	
F	CHANGE ELECTRICAL SPECIFICATIONS	11/06/2023	SHIRLEY	BETTY	BETTY		DWG. NO.	
E	ADD NOTE	08/07/2019	SHIRLEY	BETTY	BETTY		ATPL-046AR	
	RELEASE	07/11/2017	SHIRLEY	BETTY	BETTY		UNITS: M/M	SAFETY
NO:	DESCRIPTION	DATE	BY	CHK	APPD		DATE 07/11/17	P/N:
REVISIONS						SHEET 1 OF 1		
						DRAW SHIRLEY		

2. Package :



Product	PCS/Reel	PCS/Box	Product No.	Weight(g/pcs)
SMD 16 PIN Series	600	600x9=5400		0.8

Pb-free Soldering Heat Withstanding Survey

