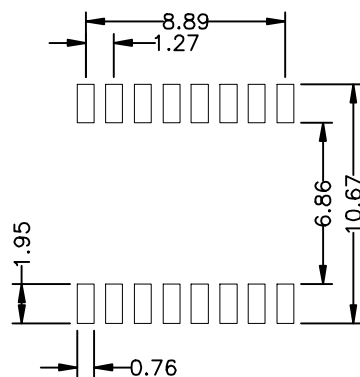
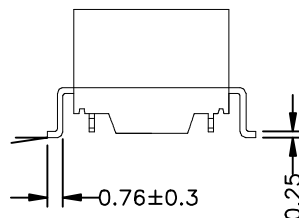
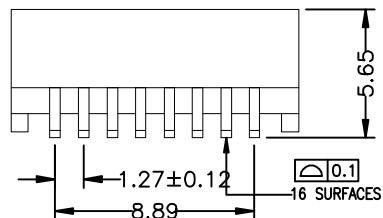
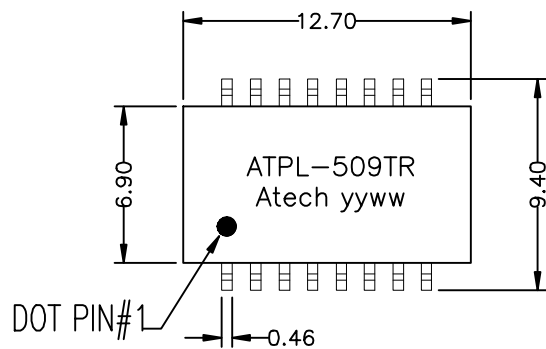
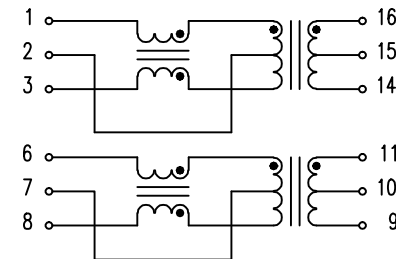




SUGGESTED PAD LAYOUT



- * OPERATING TEMPERATURE RANGE : $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$
- * MEETS IEEE 802.3 SPECIFICATION
- * RoHS COMPLIANT

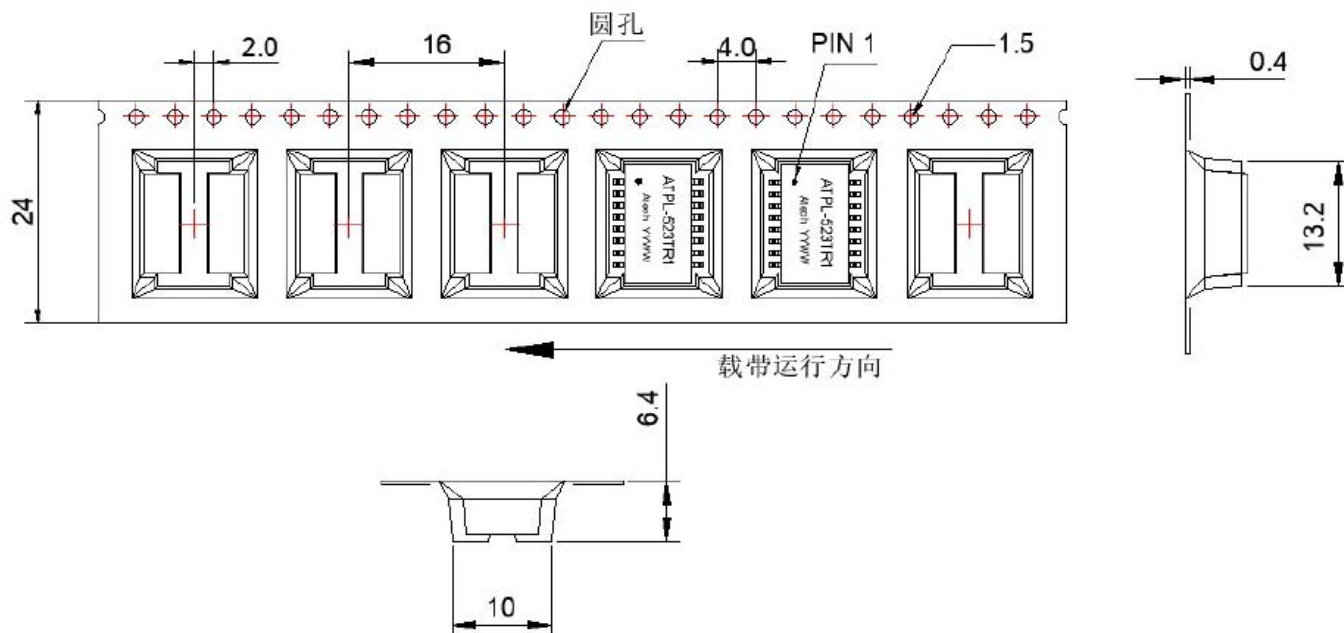
ELECTRICAL SPECIFICATIONS (25°C) :

- TURN RATIOS ($\pm 5\%$) : TX & RX 1CT : 1CT
- INDUCTANCE : PIN 16-14 & 11-9 = 350uH MIN. @100KHz, 0.1Vrms, 8mA DC BIAS.
- INSERTION LOSS (@1MHz-100MHz) : -1.1dB MAX.
- RETURN LOSS : @1-30MHz = -18dB MIN.
 @40MHz = -14.4dB MIN.
 @50MHz = -13.1dB MIN.
 @60-80MHz = -12dB MIN.
 @80-100MHz = -10dB MIN.
- DIFFERENTIAL TO COMMON MODE REJECTION : @1-100MHz = -30dB MIN.
- CROSSTALK : @1-100MHz = -30dB MIN.
- CW/W : PIN 2-15 & 7-10 = 35pF MAX.
- L.L : PIN 16-14 (PIN 1,3 SHORT) = 0.5uH MAX.
 PIN 11-9 (PIN 6,8 SHORT) = 0.5uH MAX.
- DCR : PIN 1-3 = 6-8 = 1.2Ω MAX.
- HI-POT (@1500VAC, 1mA, 60SEC) : PRI.-SEC.

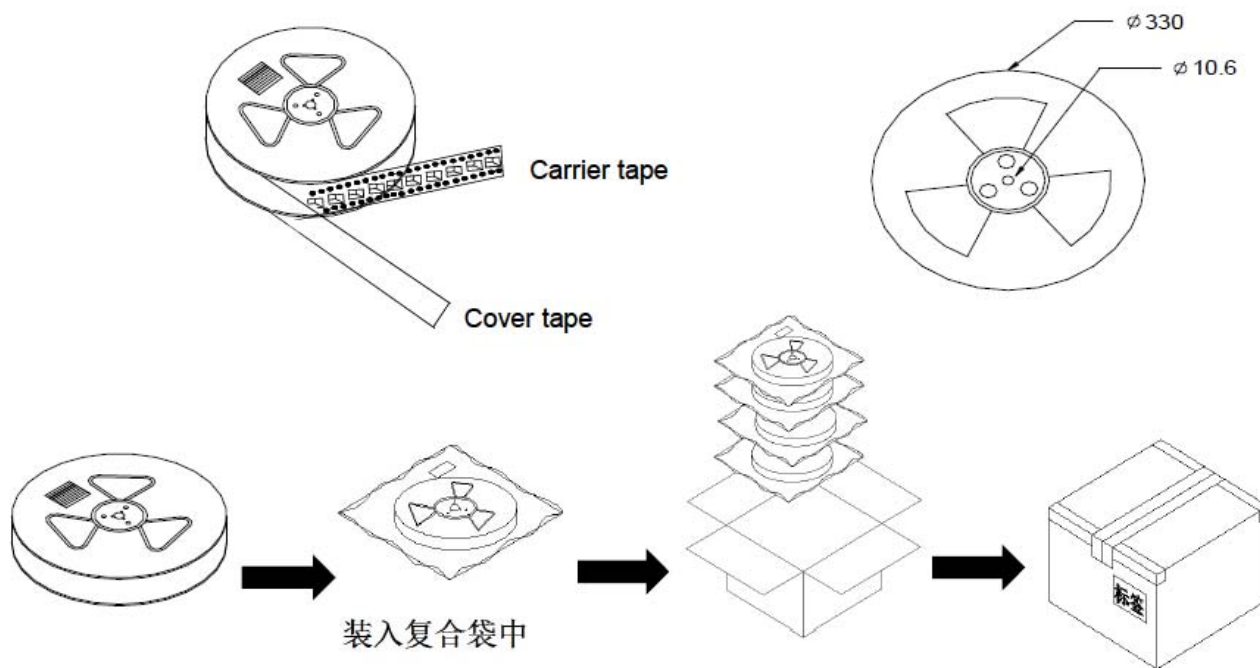
UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE $\pm 0.25\text{mm}$

								TITLE 10/100 BASE-TX	
								DWG. NO. ATPL-509TR	
	RELEASE	05/10/2017	SHIRLEY	BETTY	BETTY	UNITS: M/M	SAFETY		SHEET 1 OF 1
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE 05/10/17	P/N:		DRAW SHIRLEY
REVISIONS									

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