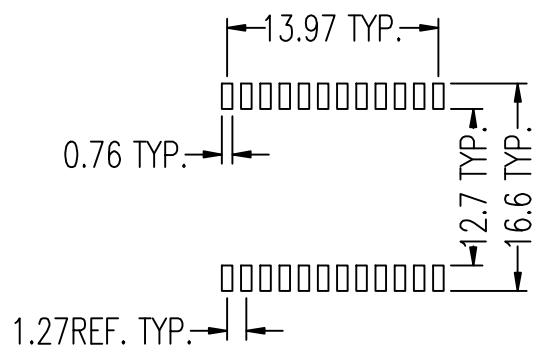
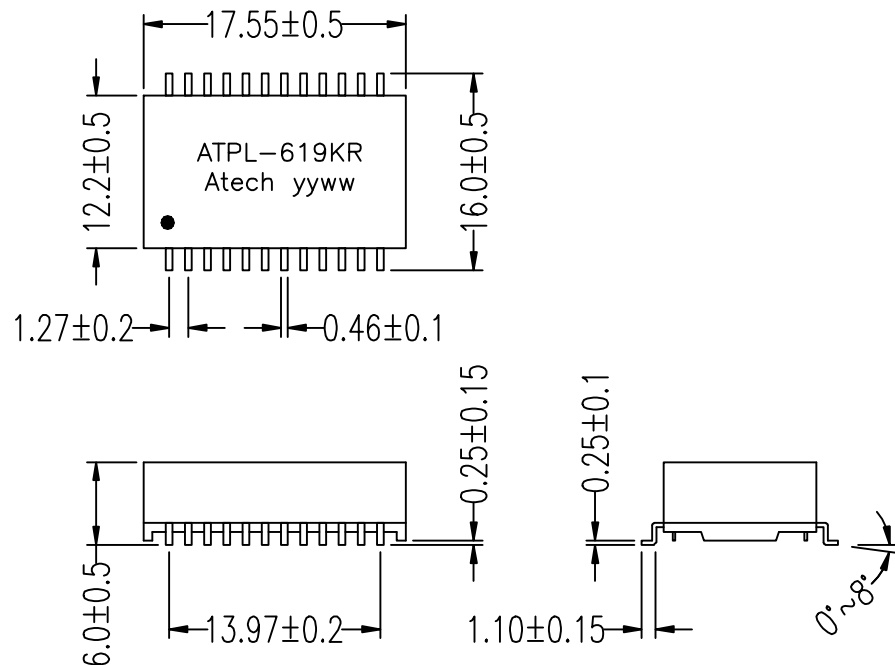
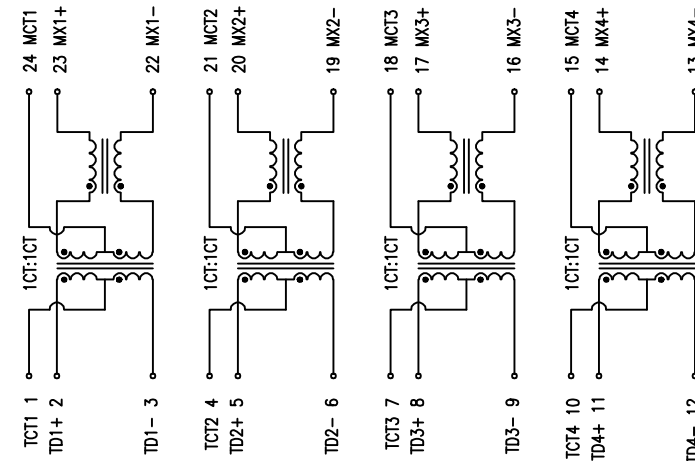




SUGGESTED PAD LAYOUT



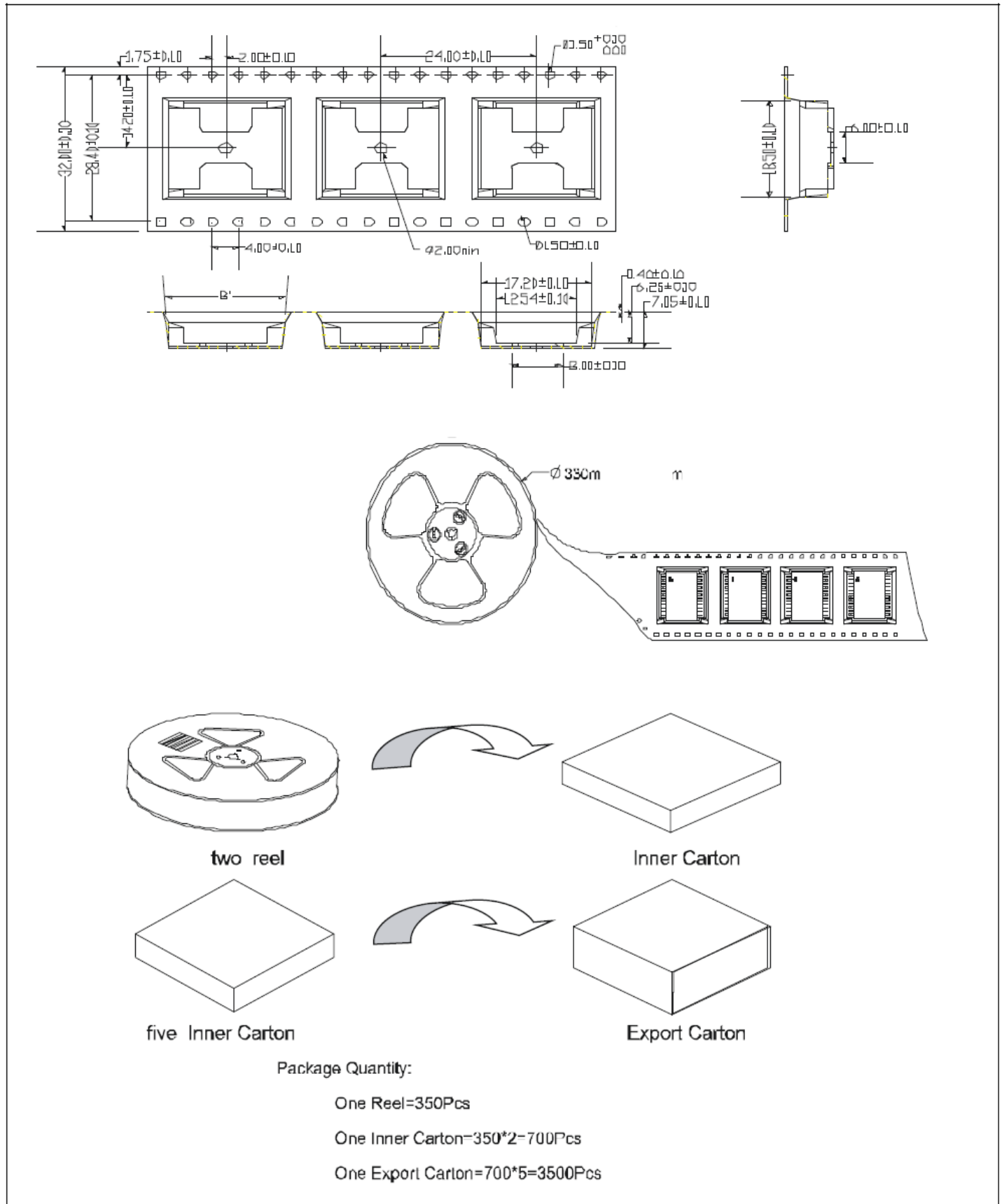
* RoHS COMPLIANT

ELECTRICAL CHARACTERISTICS @25°C:

- INSULATION HI-POT : 5000VAC, 1mA, 2Sec.
- TURN RATIO ($\pm 5\%$) : 1CT : 1CT
- OCL : (@100kHz, 0.1Vrms) : 120uH MIN
- LK(100kHz, 0.1Vrms) : 0.5uH MAX.
- DCR : 0.9 Ω TYP.
- INSERTION LOSS : @1-200MHz : -1.2dB MAX. @200-300MHz : -1.5dB MAX.
@300-400MHz : -2.0dB MAX. @400-500MHz : -3.0dB MAX.
- RETURN LOSS : @1-100MHz : -18dB MIN. @100-200MHz : -16dB MIN.
@200-300MHz : -12dB MIN. @300-400MHz : -10dB MIN.
@400-500MHz : -8dB MIN.
- CROSS TALK : 1-500MHz : -25dB TYP.
- DIFFERENTIAL TO COMMON MODE REJECTION : 1-500MHz : -25dB TYP.
- Operating temperature : 0°C to +85°C
Storage temperature : -40°C to +85°C

								TITLE 10G BASE-T TRANSFORMER	
								DWG. NO. ATPL-619KR	
	RELEASE	09/20/2023	SHIRLEY	BETTY	BETTY	UNITS: M/M	SAFETY		SHEET 1 OF 1
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE	P/N:	DRAW	
REVISIONS						09/20/23			SHIRLEY

3. Package :



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