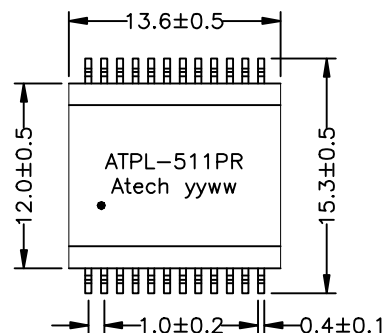
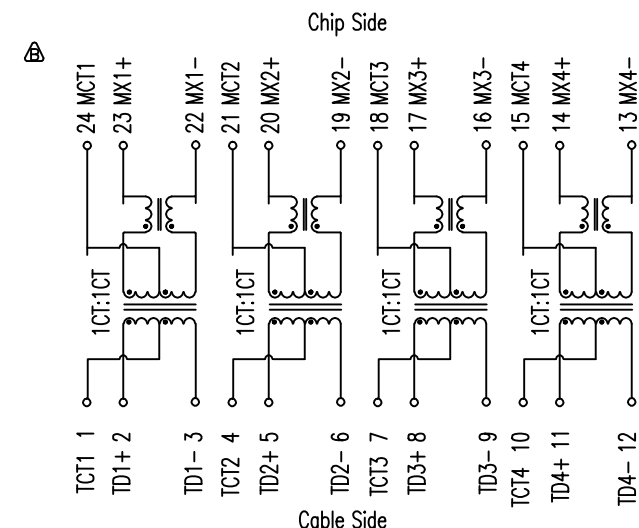


SUGGESTED PAD LAYOUT



* RoHS COMPLIANT

ELECTRICAL CHARACTERISTICS @25°C :

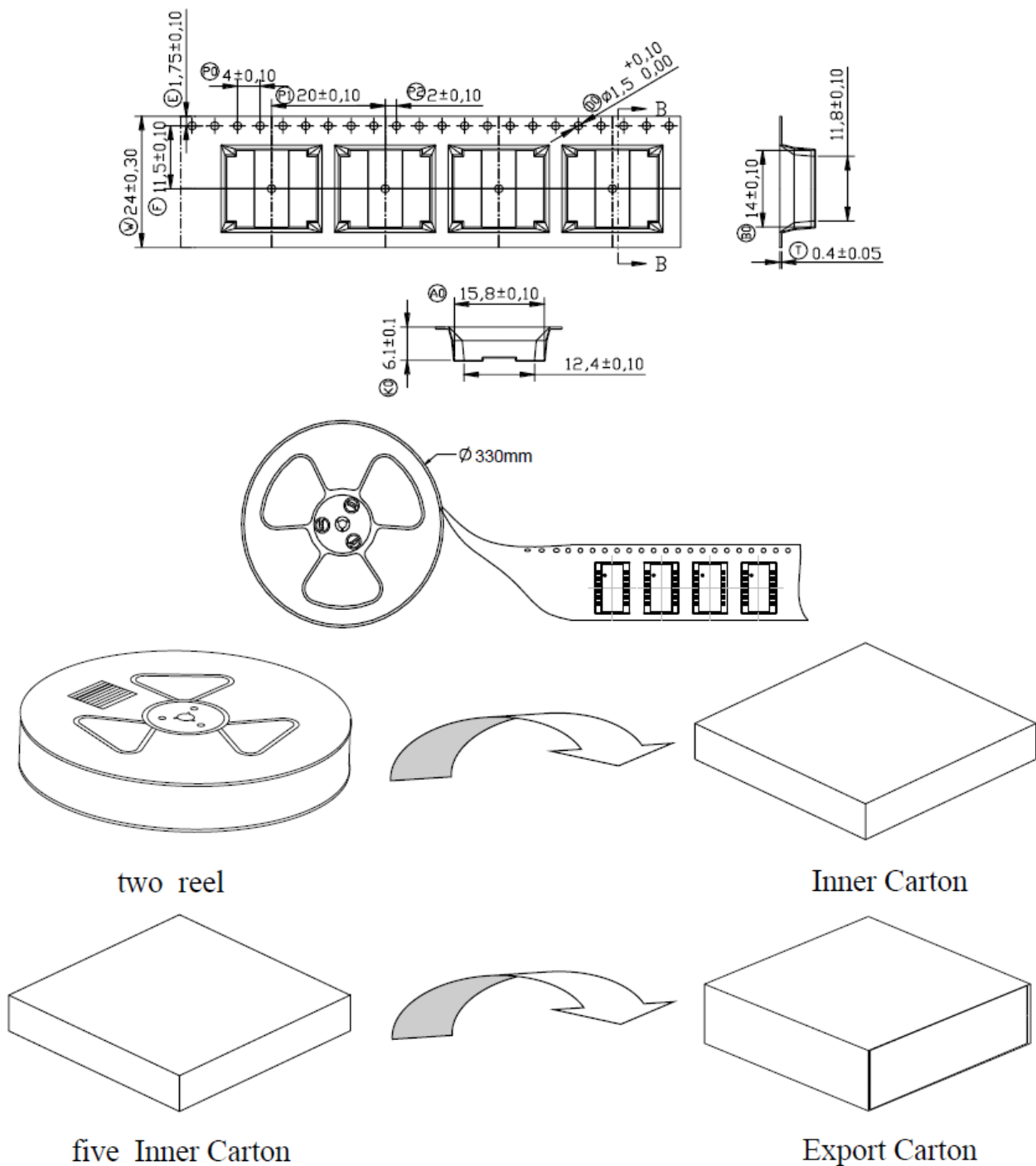
- INSULATION HI-POT : 1500 Vrms/0.5mA ,60Sec.
- TURN RATIO (±5%) : 1CT : 1CT
- OC L : : (@100kHz, 0.1Vrms, 8mA DC Bias) : 120uH MIN.
(@100kHz, 0.1Vrms, 15mA DC Bias) : 100uH MIN
- CROSS TALK (dB MIN.) : 1-500MHz : -25
- INSERTION LOSS : 0.1-1MHz : -3.0dB MAX. 1-200MHz : -1.2dB MAX.
200-300MHz : -1.5dB MAX. 300-400MHz : -2.0dB MAX.
400-500MHz : -3.0dB MAX.
- RETURN LOSS : 0.3-100MHz : -18dB MIN. 100-200MHz : -16dB MIN.
200-300MHz : -12dB MIN. 300-400MHz : -10dB MIN.
400-500MHz : -8dB MIN.
- DIFFERENTIAL TO COMMON MODE REJECTION (dB MIN.) : 1-500MHz : -20
- LK(100kHz, 0.1Vrms) : 0.5uH MAX.
- Cw/w (100kHz, 0.1Vrms) : 25pF TYP.
- DCR : 0.9Ω TYP.

▲ 11. OPERATING TEMPERATURE RANGE : -20°C~+70°C

IEEE802.3bt COMPLIANT PERFORMANCE 1A DC Balanced Current
AT 57VDC(50W MAX/PAIR, TOTAL 100W MAX)

B	CHANGE SCHEMATICS	08/10/2021	SHIRLEY	BETTY	BETTY		TITLE 10G BASE-T PoE++ TRANSFORMER	
	CHANGE OPERATING TEMPERATURE	11/19/2020	SHIRLEY	BETTY	BETTY		DWG. NO. ATPL-511PR	
A	RELEASE	08/30/2017	SHIRLEY	BETTY	BETTY	UNITS: M/M	SAFETY	SHEET 1 OF 1
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE 08/30/17	P/N:	DRAW SHIRLEY
REVISIONS								

3. Package:



Package Quantity:

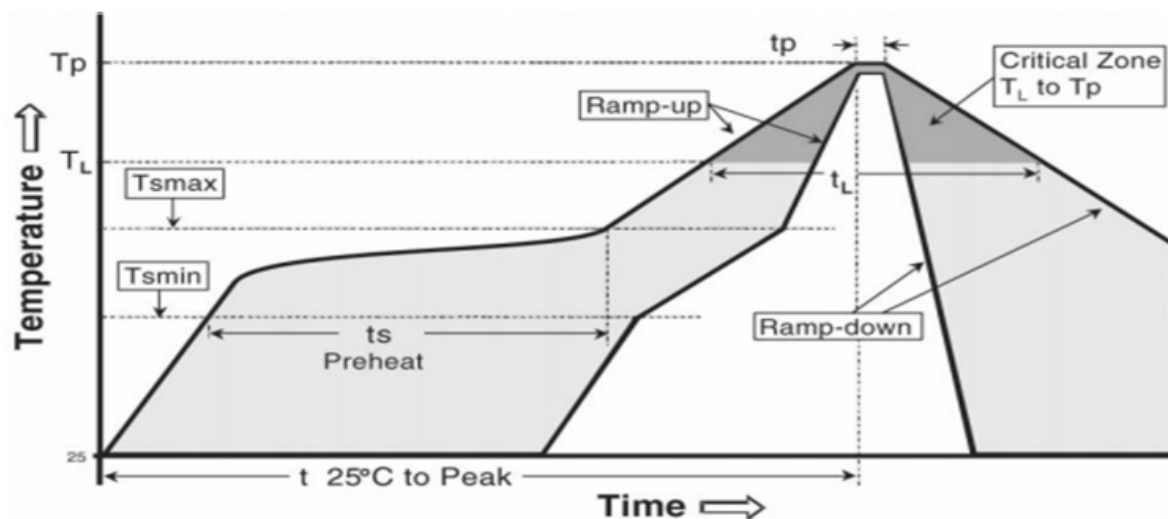
One Reel=450Pcs

One Inner Carton=450*2=900Pcs

One Export Carton=900*5=4500Pcs

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