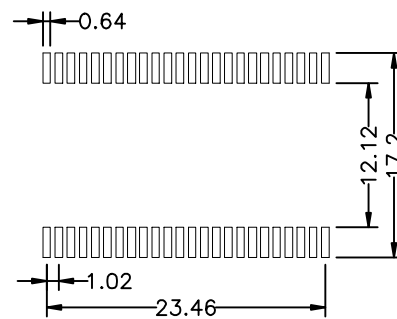
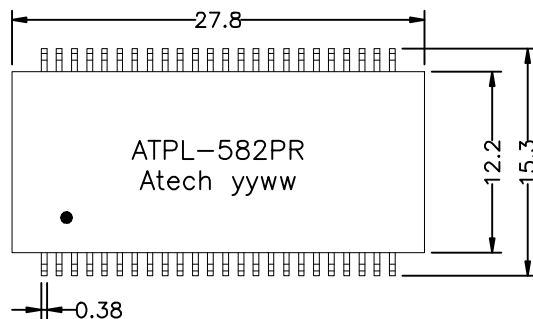
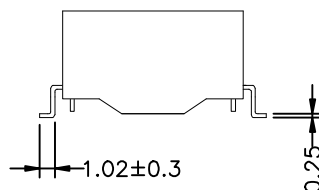
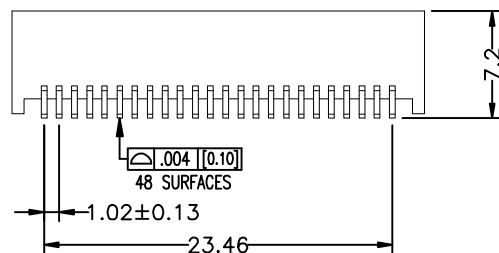




SUGGESTED PCB LAYOUT

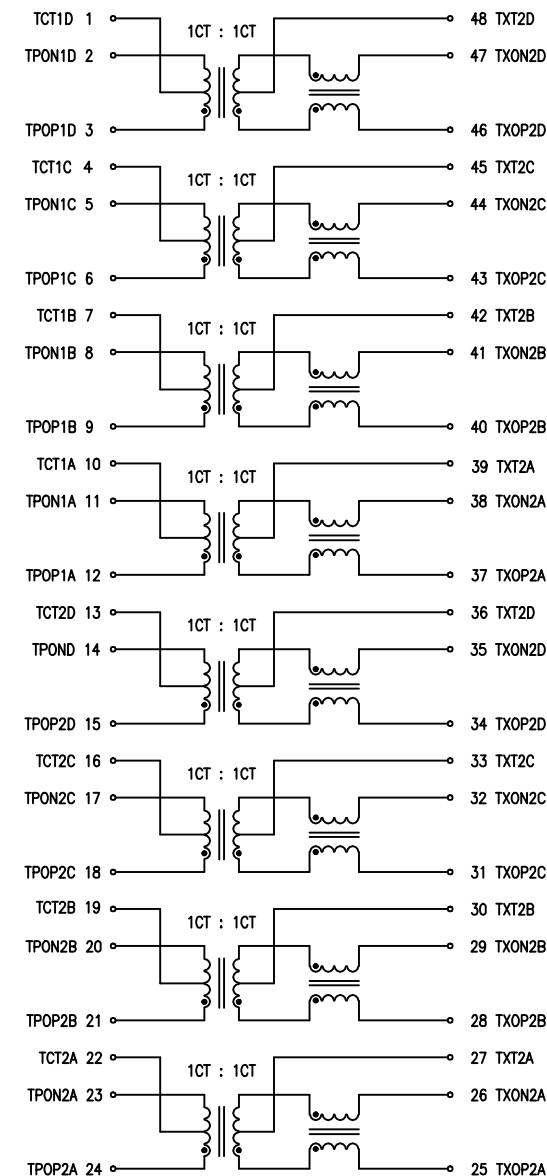


UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE XX.XX±0.25 0.XX±0.05

* RoHS COMPLIANT

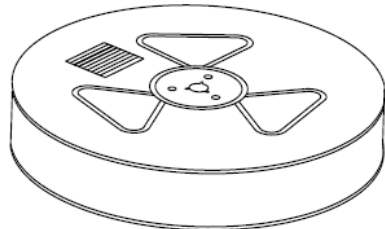
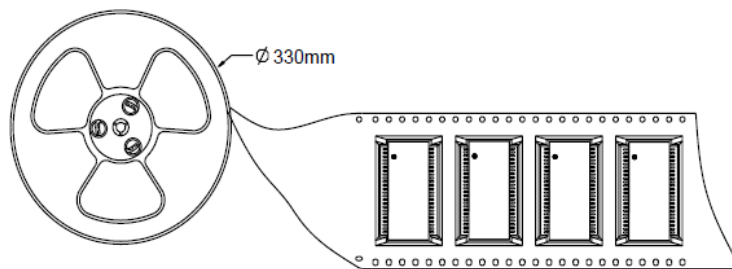
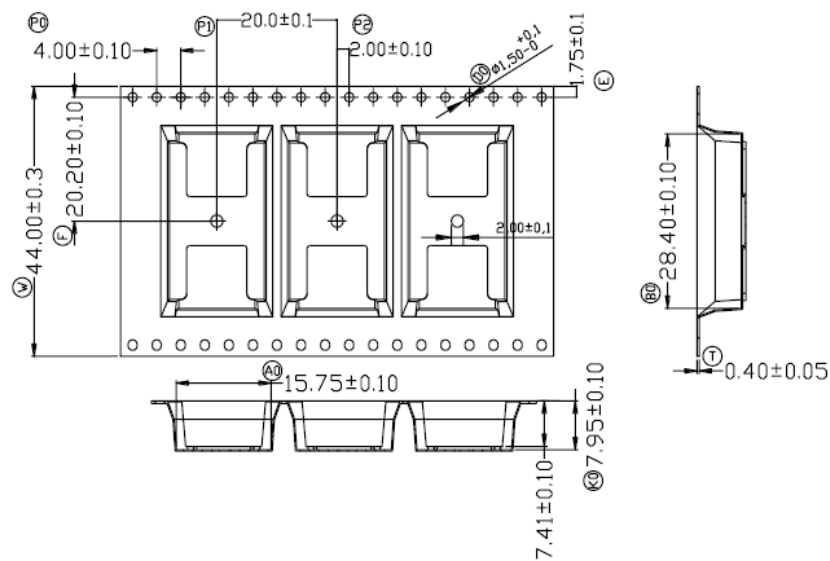
ELECTRICAL CHARACTERISTICS@25°C

1. OCL : (@100kHz, 0.1V) : 180uH MIN. @100kHz, 0.1V
2. DCR : 1.0Ω MAX.
3. TURNS RATIO : 1CT : 1CT ±5%
4. INSERTION LOSS : (@1-100MHz) : -1.0dB MAX.
(@100-125MHz) : -1.5dB MAX.
5. RETURN LOSS : (@1≤f≤40MHz) : -16dB MIN.
(@40<f≤250MHz, where f is in MHz) : -16+10 log (f/40)dB MIN.
6. CROSS TALK : (@1-125MHz) : -30dB MIN.
7. COMMON MODE REJECTION : (@1-125MHz) : -30dB MIN.
8. ISOLATION HIPOT : (@1500VAC, 1mA, 60S)
9. Comply with IEEE802.3bz & 802.3af
10. Suitable for End-span PoE applications with 350mA current capability
11. OPERATING TEMPERATURE : 0°C to +70°C
12. STORAGE TEMPERATURE : -25°C to +105°C

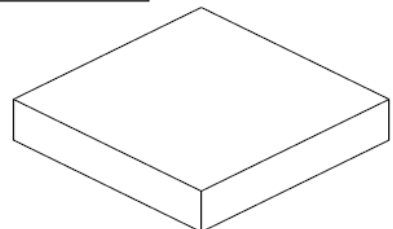


						AOEM		TITLE	
								2.5G TRANSFORMER	
								DWG. NO.	
								ATPL-582PR	
	RELEASE	05/11/2023	SHIRLEY	BETTY	BETTY	UNITS:	SAFETY		
						M/M			SHEET 1 OF 1
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE	P/N:		DRAW
REVISIONS						05/11/23			SHIRLEY

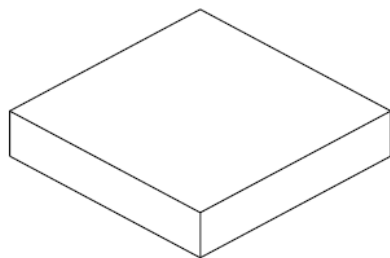
Package :



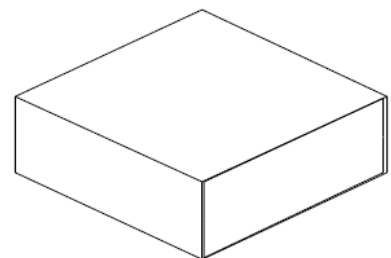
Two Reel



Inner Carton



Two Inner Carton



Export Carton

Package Quantity:

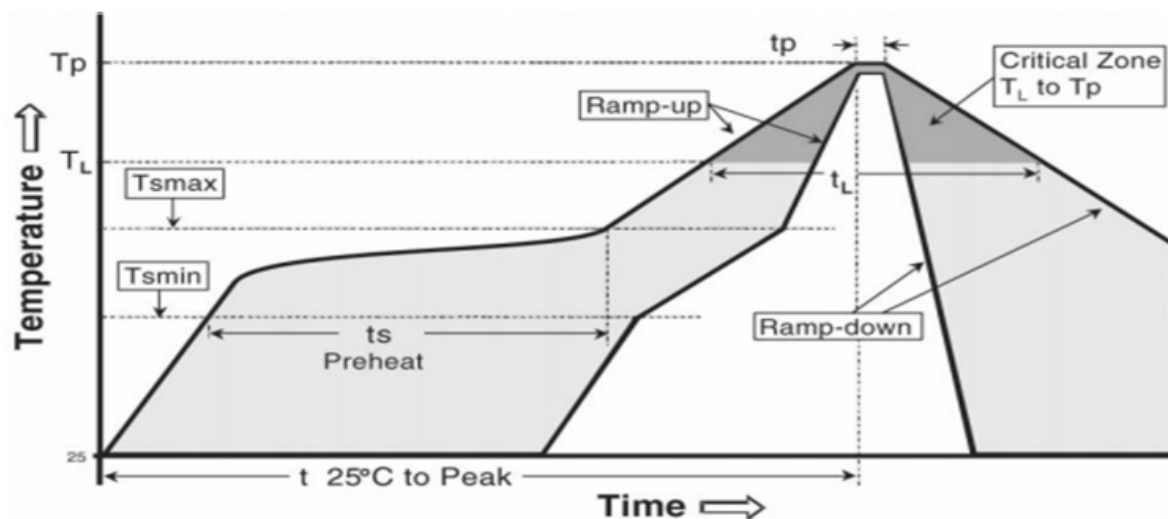
One Reel=350Pcs

One Inner Carton=350*2=700Pcs

One Export Carton=700*2=1400Pcs

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 (Tmin)	100°C	150°C
Temperature Min (Tsmax)	150°C	200°C
Time (Tmin to Tsmax) (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