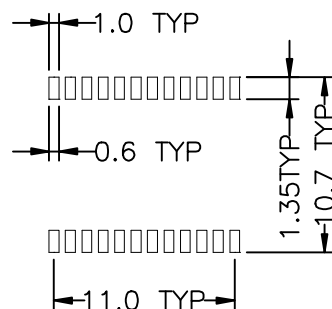
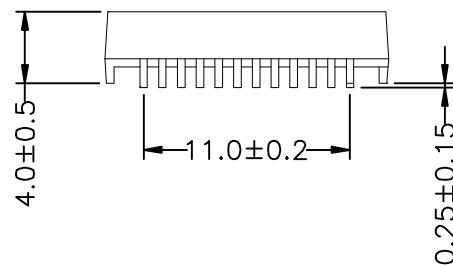
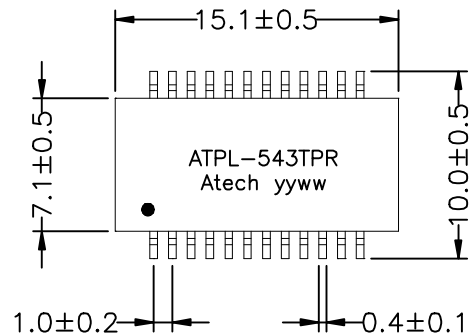
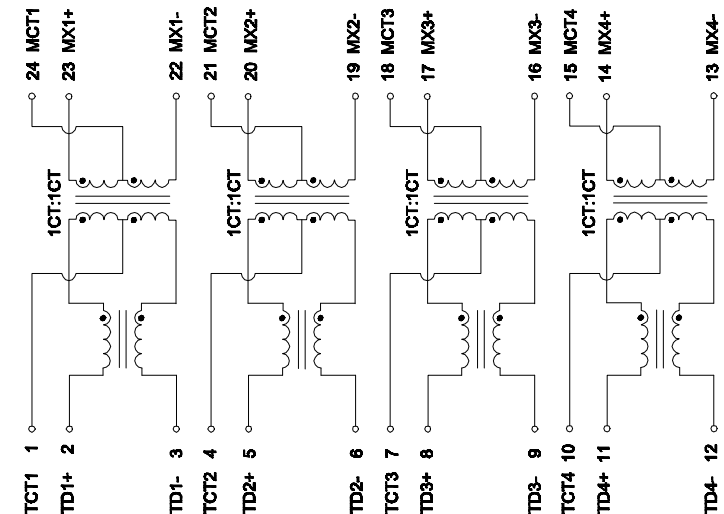
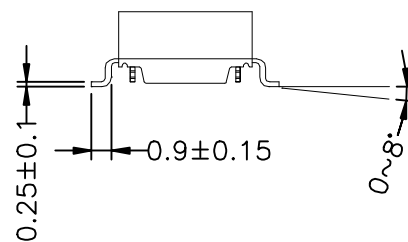




SUGGESTED PAD LAYOUT



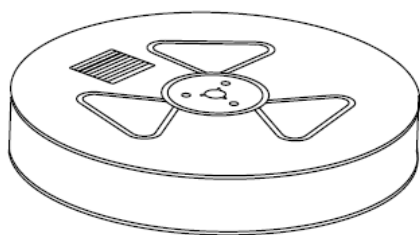
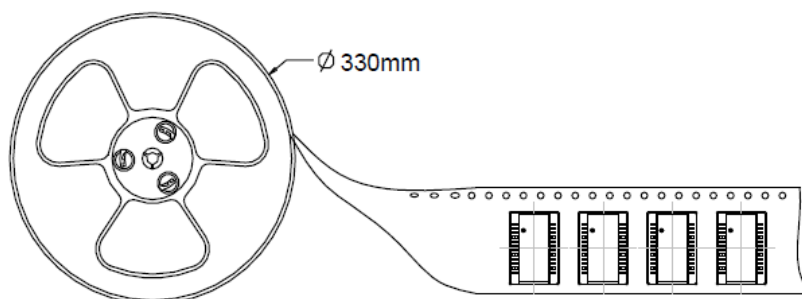
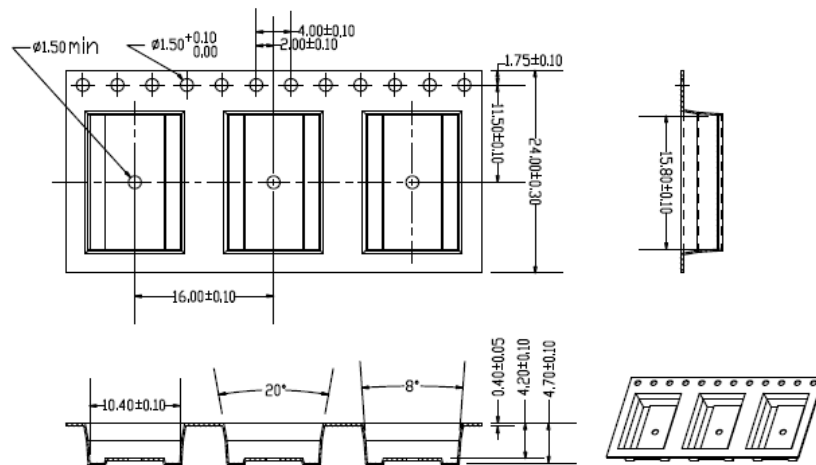
* RoHS COMPLIANT

ELECTRICAL CHARACTERISTICS @25°C :

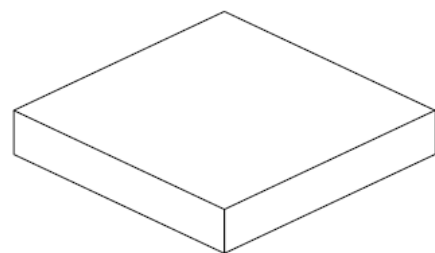
- INSULATION HI-POT(PRI./SEC.) : 1500Vrms, 1mA, 60SEC
- TURN RATIO (±5%) : TX = 1CT : 1CT
RX = 1CT : 1CT
- OCL : 350uH MIN. 100KHz/0.1V AT 8mA DC BIAS
- INSERTION LOSS : 1-100MHz = -1.1dB MAX.
- RETURN LOSS (dB MIN.) : 1-30MHz 40MHz 50MHz 60-80MHz 100MHz
-18 -14.4 -13.1 -12 -10
- CROSS TALK (dB MIN.) : 1-100MHz = -30dB MIN
- COMMON MODE REJECTION (dB MIN.) : 1-100MHz = -30dB MIN
- LEAKAGE INDUCTOR (100KHz, 0.1Vrms) : 0.5uH MAX.
- DCR : 1400mΩ MAX.
- PoE Support 30W: Each channel support 360mA DC balance current ,
One gigabit Base-T(Full channels) port support 720mA DC balance current.
- OPERATING TEMPERATURE : -40°C~+85°C
STORAGE TEMPERATURE : -40°C~+85°C

								TITLE 100/1000 BASE-T PoE TRANSFORMER	
								DWG. NO. ATPL-543TPR	
	RELEASE	09/23/2020	SHIRLEY	BETTY	BETTY	UNITS: M/M	SAFETY		SHEET 1 of 1
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE	P/N:	DRAW	
REVISIONS						09/23/20			SHIRLEY

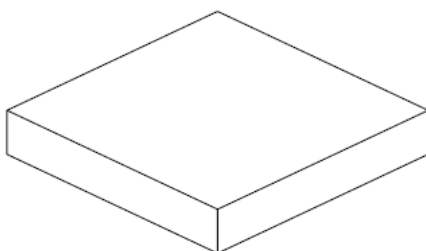
3. Package:



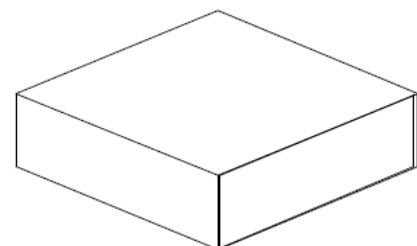
Three Reel



Inner Carton



Two Inner Carton



Export Carton

Package Quantity:

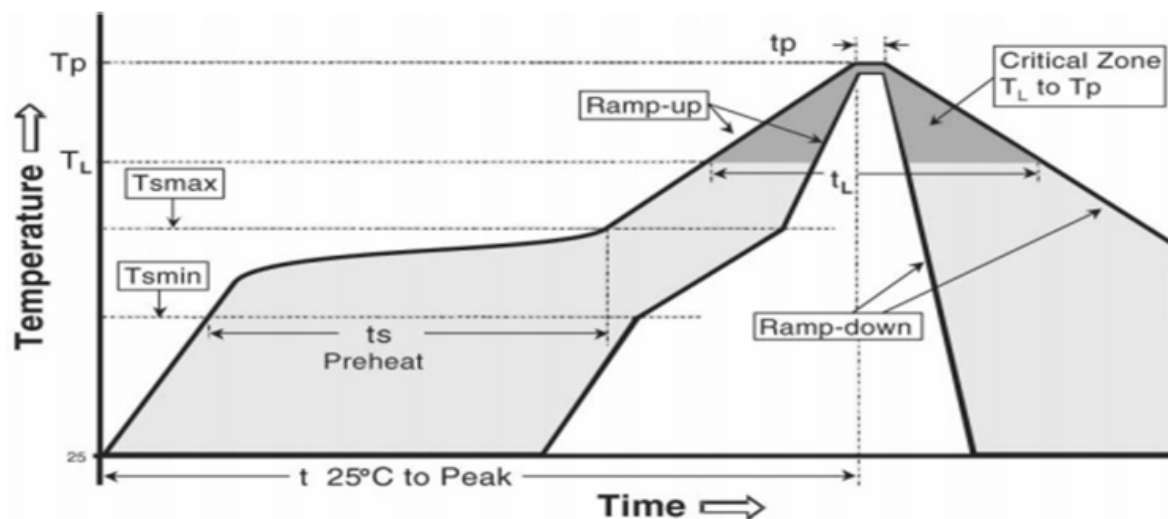
One Reel=800Pcs

One Inner Carton=800*3=2400Pcs

One Export Carton=2400*2=4800Pcs

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) Temperature Min (Tsmmax) Time (Tsmmin to Tsmmax) (ts)	100°C 150°C 60-120seconds	150°C 200°C 60-180seconds
Time maintained above Temperature (TL) Time (tL)	183°C 60-150seconds	217°C 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