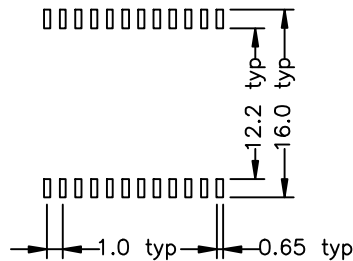
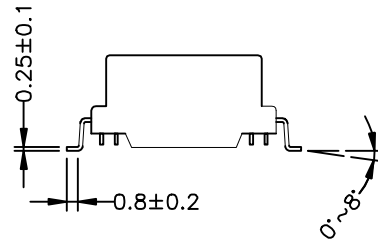
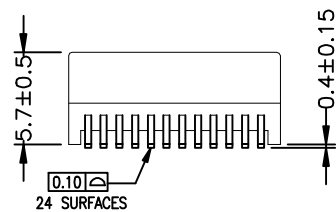
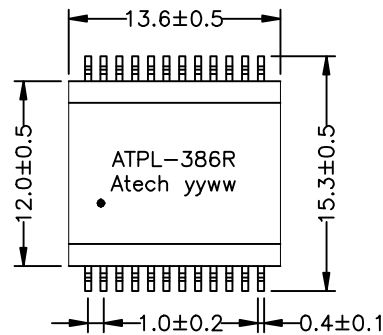
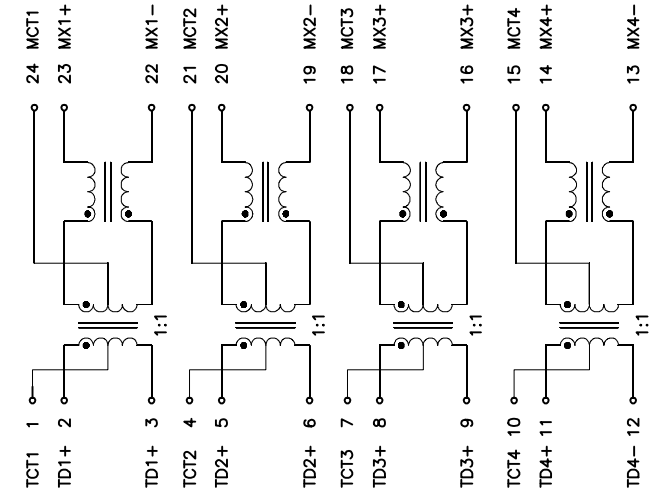


Mechanical Dimension:



SUGGESTED PAD LAYOUT

Circuit Schematic :



* RoHS COMPLIANT

ELECTRICAL CHARACTERISTICS @25°C :

1. INSULATION HI-POT : 1500 Vrms/1mA ,60Sec.
2. TURN RATIO (±5%) : 1CT : 1CT
3. OCL : : (@100kHz, 0.1Vrms) : 160uH MIN.
4. CROSS TALK (dB MIN.) : 1-500MHz : -25
5. INSERTION LOSS : 1-200MHz : -1.2dB MAX. 200-300MHz : -1.5dB MAX.
300-400MHz : -2.0dB MAX.
400-500MHz : -3.0dB MAX.
6. RETURN LOSS : 1-100MHz : -18dB MIN. 100-200MHz : -16dB MIN.
200-300MHz : -12dB MIN. 300-400MHz : -10dB MIN.
400-500MHz : -8dB MIN.
7. DIFFERENTIAL TO COMMON MODE REJECTION (dB TYP) : 1-500MHz : -25
8. LK(100kHz, 0.1Vrms) : 0.5uH MAX.
9. DCR : 0.9Ω TYP.
10. OPERATING TEMPERATURE RANGE : 0°C~+70°C
11. STORAGE TEMPERATURE : -25°C to +85°C

Unless otherwise specified all tolerances are : ±0.25

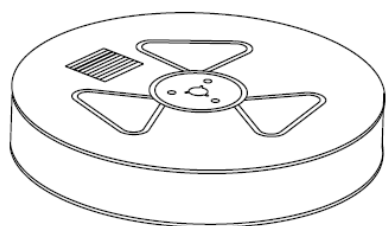
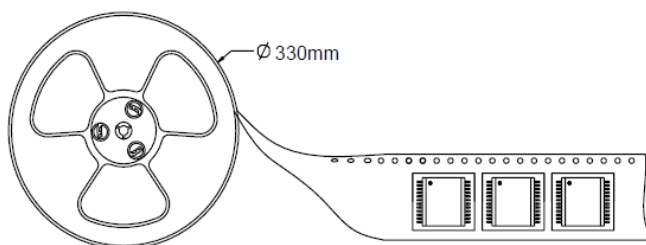
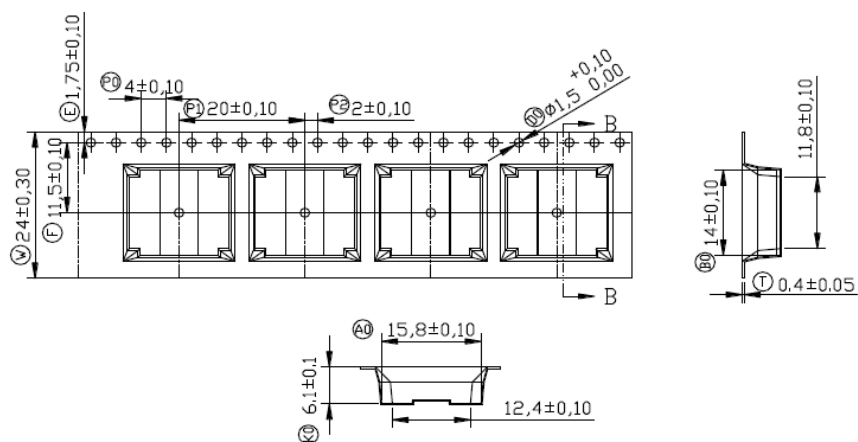
							TITLE 10G BASE-T TRANSFORMER	
							DWG. NO. ATPL-386R	
	RELEASE	09/06/2018	SHIRLEY	BETTY	BETTY	UNITS: M/M	SAFETY	
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE	P/N:	SHEET 1 of 2
REVISIONS						09/06/18	DRAW SHIRLEY	

Electrical Specification :

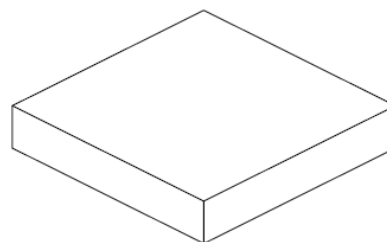
Parameters	Condition	Min.	Typ.	Max.	Unit
Impedance	100				Ω
Inductance(OCL)	100K@100mV	280			μ H
Insertion Loss	0.1~1MHz			-3.0	dB
	1~200MHz			-1.2	
	200~300MHz			-1.5	
	300~400MHz			-2.0	
	400~500MHz			-3.0	
Return Loss	0.3~100MHz	-18			dB
	100~200MHz	-16			
	200~300MHz	-12			
	300~400MHz	-10			
	400~500MHz	-8			
Common to Differential Mode Rejection	1~500MHz	-25			dB
Differential to Common Mode Rejection	1~500MHz	-25			dB
Crosstalk	1~500MHz	-25			dB
Hipot	1500Vrms		60		SEC

								TITLE	10G BASE-T TRANSFORMER
								DWG. NO.	ATPL-386R
	RELEASE	09/06/2018	SHIRLEY	BETTY	BETTY	UNITS:	M/M	SAFETY	
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE	09/06/18	P/N:	
REVISIONS						SHEET 2 of 2		DRAW SHIRLEY	

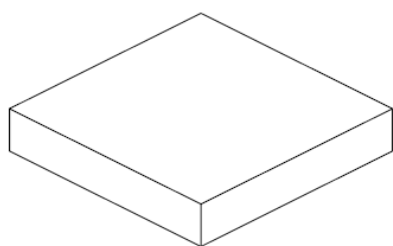
Package :



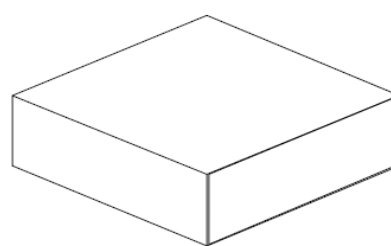
Two Reel



Inner Carton



Five Inner Carton



Export Carton

Package Quantity:

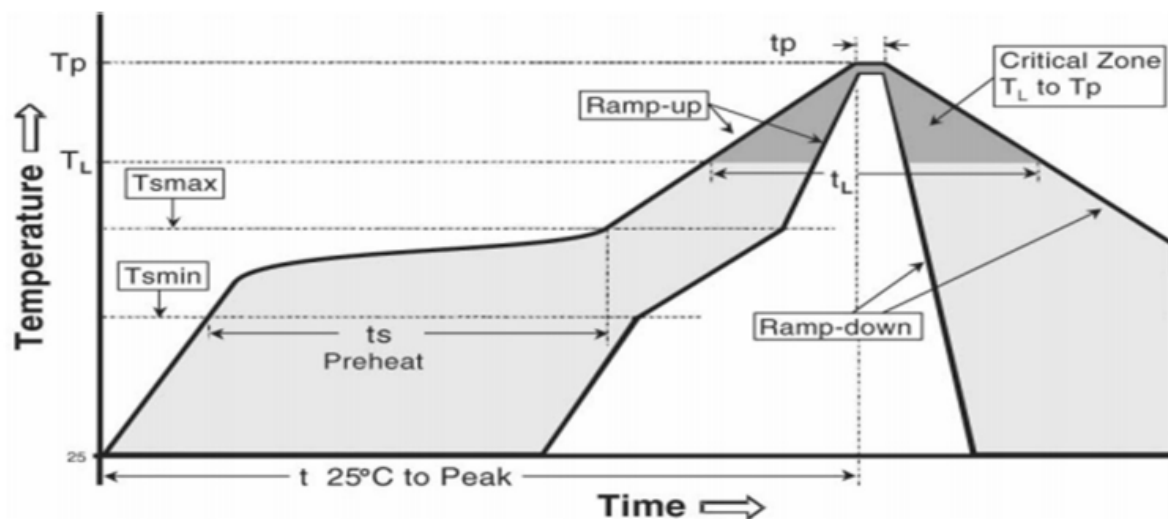
One Reel=450Pcs

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 T _p)	3°C/second max	3°C/second max
Preheat Temperature Min (T _{sm}) Temperature Min (T _{sm}) Time (T _{sm} to T _{sm}) (t _s)	100°C 150°C 60-120seconds	150°C 200°C 60-180seconds
Time maintained above Temperature (T _L) Time (t _L)	183°C 60-150seconds	217°C 60-150seconds
Peak Temperature (T _p)	225°C	260°C
Time within 5°C of actual Peak Temperature (T _p) ²	20 seconds	30 seconds
Ramp-down Rate	6°/second max	6°/second max
Time 25°C to Peak Temperature	6minutes max	8minutes max