

1000 Base-T LAN Transformer with PoE+

ALAN-511

RoHS/RoHS II Compliant



18.03 x 15.70 x 6.90 mm

FEATURES:

- Designed for long haul Gigabit Ethernet with PoE+ capacity
- Compliant with IEEE 802.3at specification
- Supports 4 pairs of category 5 UTP cables

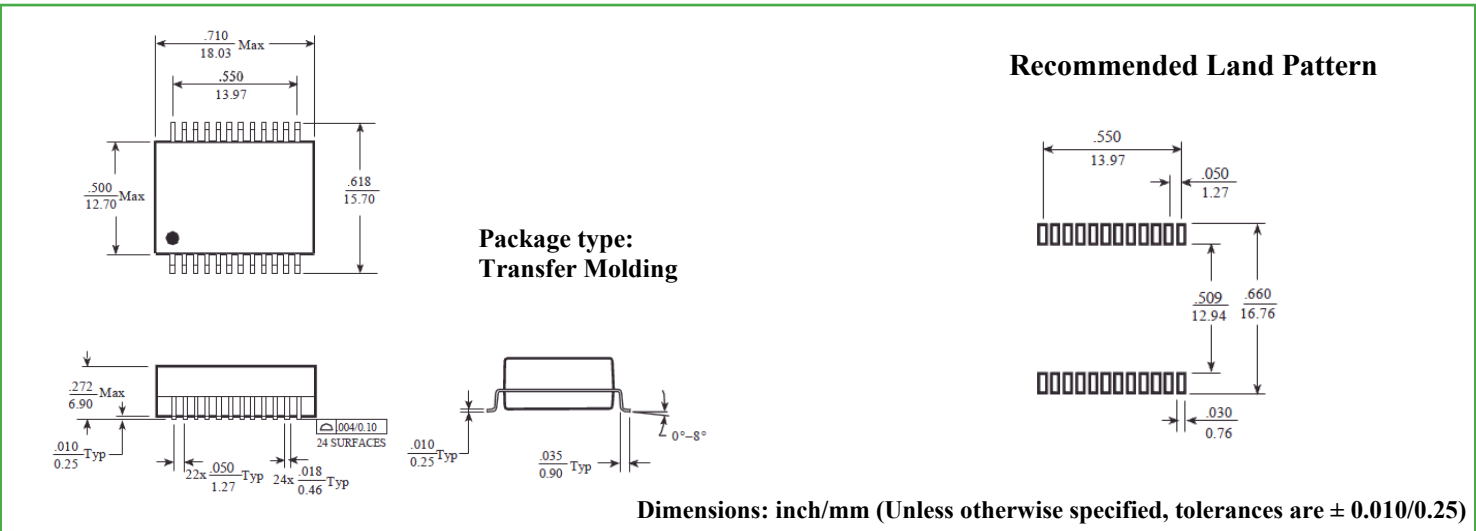
APPLICATIONS:

- ATM Machine, Laptop Computer
- Point of Sales Terminal, Printer, Security System, ATM Machine
- Set Top Box, VOIP Telephony

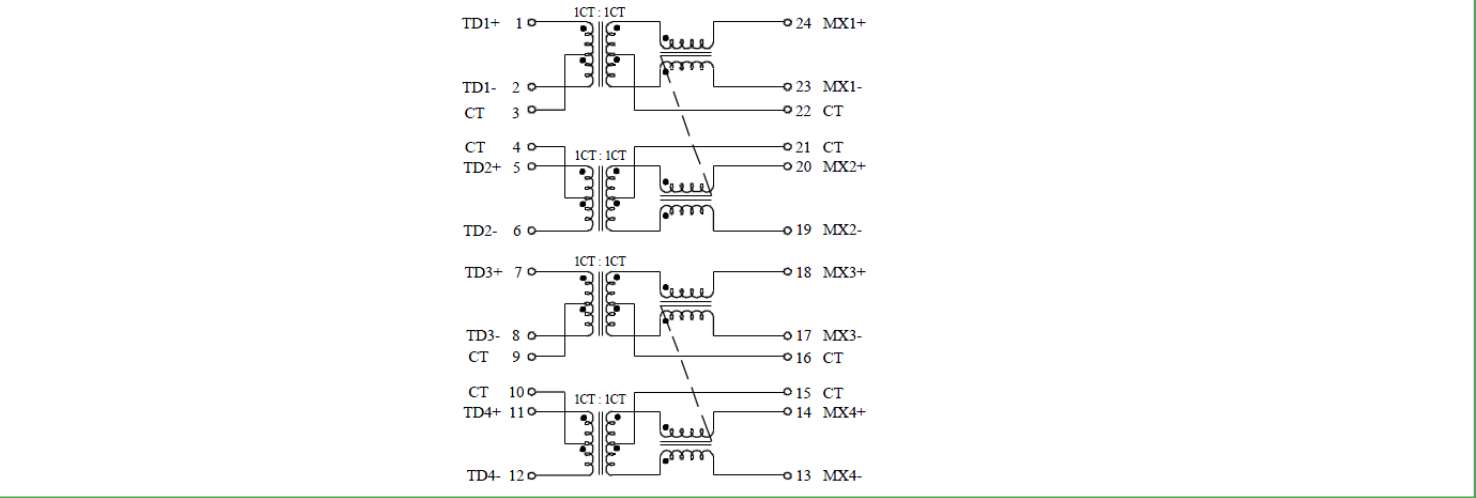
STANDARD SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Operating Temperature	0		+70	°C	
Storage Temperature	-40		+85	°C	
OCL	350			μH	@100kHz, 0.1V, 8mA
Turn Ratio (±5%)		1CT: 1CT			
Insertion Loss			-1.0	dB	0.1-100MHz
CWW			30	pF	@100kHz, 0.1V
PoE+ rating			750	mA	
High Pot	1500Vrms, 0.5mA, 1sec				

OUTLINE DRAWING:



SCHEMATICS



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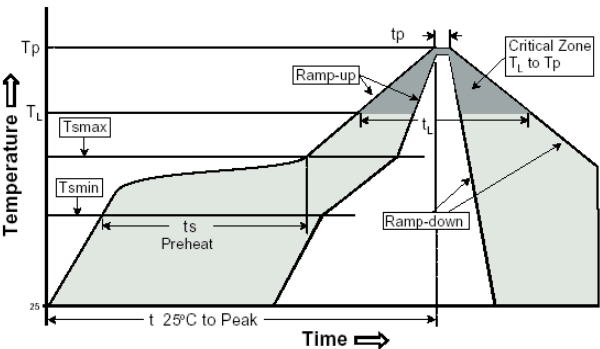
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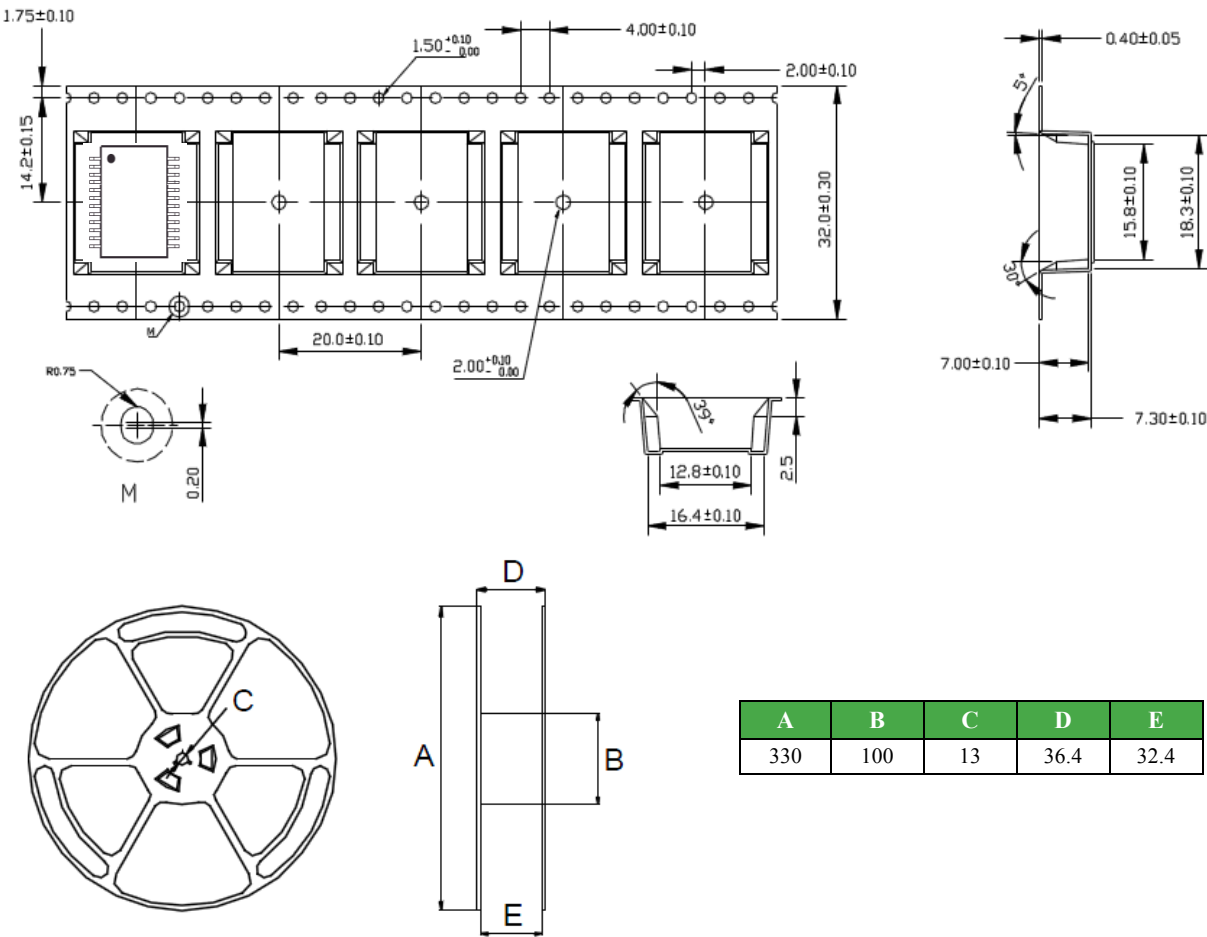
18.03 x 15.70 x 6.90 mm

REFLOW PROFILE:



Average Ramp-Up Rate (Ts _{max} to Tp)	3°C /second max.
Preheat	
-Temperature Min (Ts _{min})	150°C
-Temperature Max (Ts _{max})	200°C
-Time (ts _{min} to ts _{max})	60-180 seconds
Time maintained above:	
-Temperature (T _L)	217°C
-Time (t _L)	60-150 seconds
Peak/Classification Temperature (Tp)	245±5°C
Time within 5°C of actual Peak Temperature (tp)	20-40 seconds
Ramp-Down Rate	6°C /seconds max
Time 25°C to Peak Temperature	6 minutes max.

TAPE & REEL: 450pcs/reel



Dimensions: mm

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