## imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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## 10G Base-T, Single, LAN Transformer, w/ PoE, 3 Wires



### 17.50 x 15.60 x 5.40mm

#### **FEATURES**:

• Meet IEEE802.3 specification

ALAN-2401

- Power Over Ethernet(PoE)IEEE802.3at compliant performance
- Extended Temperature (-40°C +85°C)
- ROHS peak reflow temperature rating 245°C

**STANDARD SPECIFICATIONS:** 

• 1500Vrms Hi-Pot

ABRACON IS

ISO 9001:2008 CERTIFIED

### **RoHS/RoHS II Compliant**

#### > APPLICATIONS:

- Designed for most leading PHY IC manufacturers such as Broadcom, Marvell, Micrel, & Microsemi
- 10G Ethernet-LAN
- PoE Capabilities
- Provides signal conditioning, EMI suppression and signal isolation.
- Hubs/Switches/Routers/Servers/NIC Cards

Parameters	Minimum	Typical	Maximum	Units	Notes
Operating Temperature	0	Typical	+70	°C	ittes
	-40		+85	°C	
Storage Temperature	-40	107.107	+63	C	
Turn Ratio (± 3%)		1CT:1CT			
Inductance (OCL)	120			μH	100KHz/0.1V@8mA
Leakage Inductance (LL)			0.5	μΗ	100KHz/0.1V
Cw/w			30	pF	100KHz/0.1V
DC Resistance			1.2	Ω	
Insertion Loss			-1.2	dB	1- 400MHz
Return Loss	-18			- dB	1- 40MHz
	-17+10log(F/40MHz)				40-500MHz
Cross Talk		-40		dB	1-100MHz
		-30			100-500MHz
CM-DM Rejection Ratio		-30			1-250MHz
		-22			250-500MHz
Differential to Common Mode Rejection	-30			dB	1-100MHz
Common Mode Rejection	-30			dB	1-100MHz
PoE Current Capacity			350	mA	
Hi-Pot	1500Vrms/0.5mA/60Sec or 1650Vrms/0.5mA/2Sec				



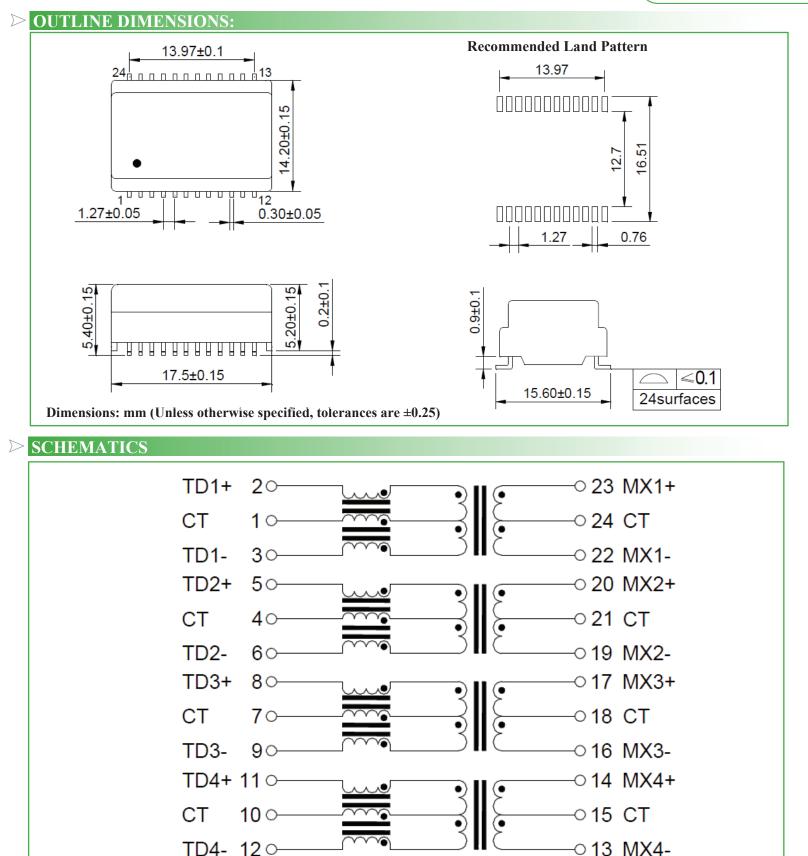
## 10G Base-T, Single, LAN Transformer, w/ PoE, 3 Wires

# 0

## ALAN-2401

**RoHS/RoHS II Compliant** 

17.50 x 15.60 x 5.40mm



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## **10G Base-T, Single, LAN Transformer, w/ PoE, 3 Wires**

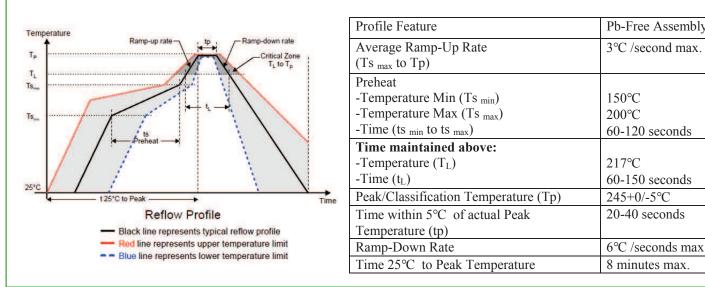


Pb-Free Assembly

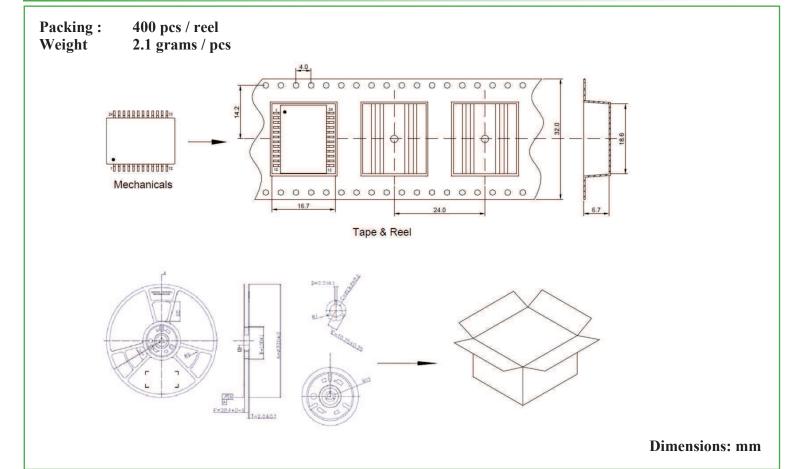
ALAN-2401

#### **RoHS/RoHS II Compliant**

**REFLOW PROFILE:** 



#### **TAPE & REEL:**



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