

# LAN TRANSFORMERS

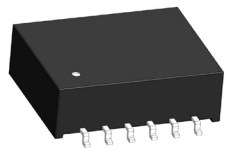
## 100 BASE-TX & 1000 BASE-T ETHERNET

### APPLICATIONS

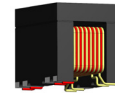
- Fast and gigabit Ethernet
- Servers, switches and routers
- IP cameras, surveillance, and phone
- Access points
- Industrial computers and robotics
- Networking and communications
- Broadcast video
- Set top box

### FEATURES

- IEEE 802.3 compliant
- Single and multiport devices
- 2 LAN Transformer types
- RoHS compliant and MSL 1
- Pin pitch options: 0.99 mm, 1.27 mm, and 2.00 mm
- Multiple schematics and package types per series
- Operating temperature range up to -55°C to 125°C



**TRADITIONAL SMD**



**PRECISION WOUND CHIP**

### 100 BASE-T (IEEE 802.3u)

Port Count	Series	Transformer Type	Schematic Options	Package Options	Inductance	Operating Temperature	Isolation	L x W x H	Pin Pitch
Single	ALANS100X1	Traditional SMD	T,C T,C,S	12-Pin SMD 16-Pin SMD	350µH	0°C to 70°C -40°C to +85°C -40°C to +105°C -40°C to +125°C -55°C to +125°C	2500 V	14.8 x 11.7 x 5.0 mm 12.8 x 6.9 x 5.6 mm	2.00 mm 1.27 mm
Discrete XFMR	ALANC10001	Chip	T	8-Pin SMD	200µH	0°C to 70°C -40°C to +85°C	1500 V	4.5 x 3.2 x 3.5 mm	0.32 mm

T: Transformer      C: Common Mode Choke      S: Shunt Inductor

### 1000 BASE-T (IEEE 802.3ab)

Port Count	Series	Transformer Type	Schematic Options	Package Options	Inductance	Operating Temperature	Isolation	L x W x H	Pin Pitch
Single	ALANS10001	Traditional SMD	T,C T,C,S	24-Pin SMD	350µH	0°C to 70°C -40°C to +85°C -40°C to +105°C -40°C to +125°C	2500 V	14.0 x 15.5 x 5.7 mm 18.4 x 12.4 x 6.5 mm	0.99 mm 1.27 mm
Discrete XFMR	ALANC10001	Chip	T	8-Pin SMD	200µH	0°C to 70°C -40°C to +85°C	1500 V	4.5 x 3.2 x 3.5 mm	0.32 mm

T: Transformer      C: Common Mode Choke      S: Shunt Inductor

[Click here to view the newest LAN Transformers for 100/1000 Base-T.](#)