

LAN TRANSFORMERS

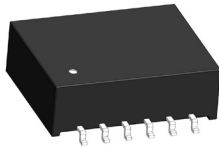
100 BASE-TX & 1000 BASE-T ETHERNET

APPLICATIONS

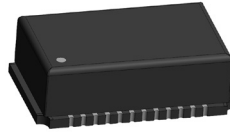
- Fast and gigabit Ethernet
- Servers, switches and routers
- IP cameras, surveillance, and phone
- Access points
- Industrial computers and robotics
- Networking and communications
- Broadcast video
- Set top box

FEATURES

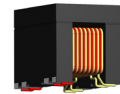
- IEEE 802.3 compliant
- Single and multiport devices
- 3 LAN Transformer types
- RoHS compliant and MSL 1
- Pin pitch options: 0.99 mm, 1.27 mm, and 2.00 mm
- Multiple schematics and package types per series
- Operating temperature range up to -55°C to 125°C



TRADITIONAL SMD



PRECISION WOUND SMD



PRECISION WOUND CHIP

100 BASE-TX (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
	ALANM100X1	Precision Wound SMD	T,C	16-Pin SMD	200µH	0°C to 70°C -40°C to +85°C	1500 V	12.0 x 9.4 x 5.0 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
	ALANM10001	Precision wound SMD	T,C	24-Pin SMD	200µH	0°C to 70°C -40°C to +85°C	1500 V	16.0 x 10.0 x 5.0 mm 17.0 x 16.0 x 5.0 mm	0.99 mm 1.27 mm
Dual	ALANM10002	Precision wound SMD	T,C	48-Pin SMD	200µH	0°C to 70°C -40°C to +85°C	1500 V	31.0 x 15.2 x 5.5 mm	1.02 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