LinkCom Manufacturing Co.,Ltd

LAN3214-50 Ver. A

10/100/1000 BASE-TX SINGLE PORT MAGNETICS MODULES

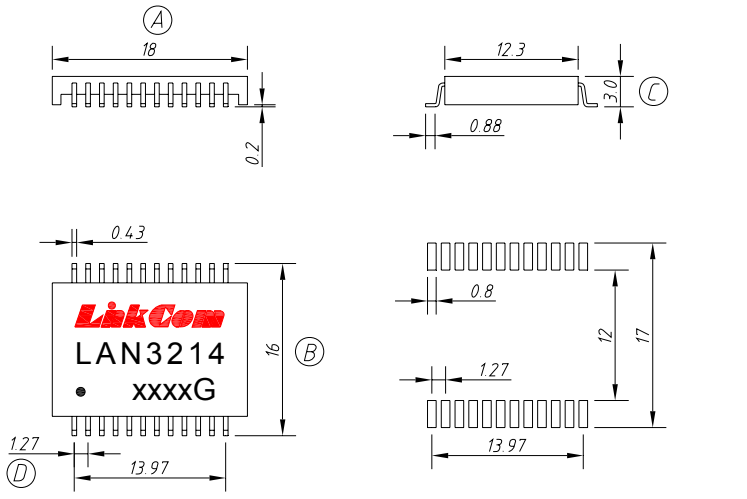
- IEEE 802.3 Ethernet Compatible
- RoHS Compliant
- Reflow peak temperature 250℃ Max.
- Operating Temperature : 0℃ ~ +70℃
- Storage Temperature : -25℃ ~ +125℃

Electrical Specification @25℃

OCL:350uH Min. @100KHz/100mV
Isolation Voltage: 1500Vrms(Input to Output)
Turns Ratio: PRI:SEC =1CT:1CT ±3%
D.C.R.: 0.9 ohm Max.
Insertion Loss: $-0.2-0.002*f^{1.4}$ dB Max. (0.1~100MHz)

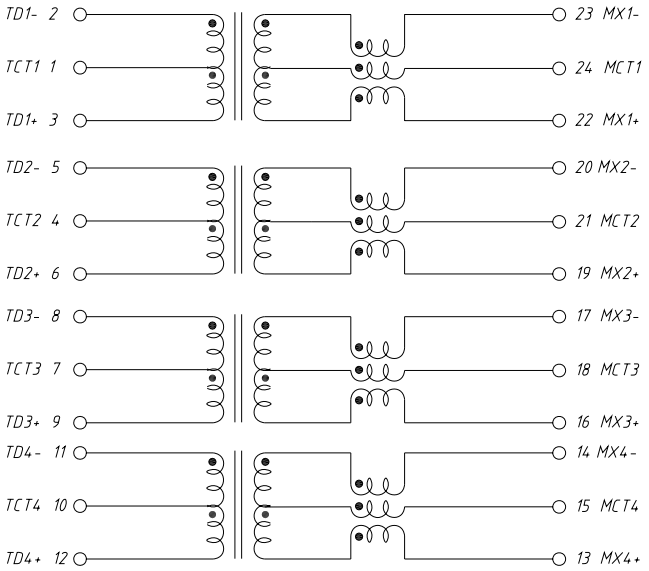
Return Loss:	1-40MHz	40~100MHz
	-16dB Min.	$-10+20*\text{Log}_{10}$ (f/80MHz) dB Min.
D.C.M.R.	2MHz	30~100MHz
	-50dB Min.	$-43+22*\text{Log}_{10}$ (f/30MHz) dB Min.
Cross Talk:	1MHz	10~100MHz
	-50dB Min.	$-55+22*\text{Log}_{10}$ (f/10MHz) dB Min.

Dimensions:



SUGGSTED PCB PAD LAYOUT

Schematic:



Units:mm
Unless otherwise specified, all tolerances are ±0.25