

## 2.5G BASE-T Magnetics Module

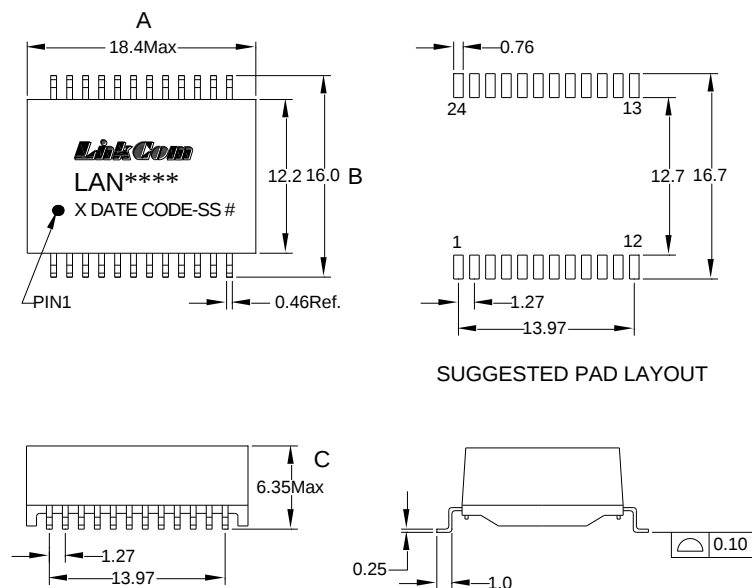
- Meets IEEE 802.3bz/bt standard
- RoHS Compliant
- Single port configuration
- Suitable for PoE application with 1A current capability.
- Operating Temperature: -40°C ~ +85°C

### Electrical Specifications @25°C

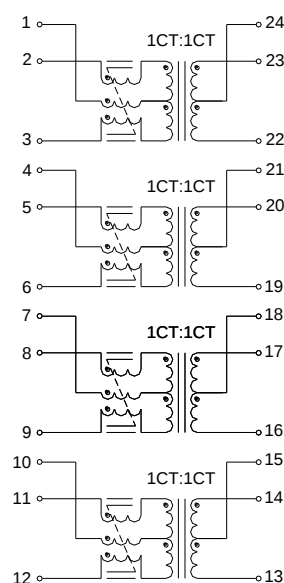
|                 |                                     |                          |
|-----------------|-------------------------------------|--------------------------|
| OCL:            | 150uH Min. @100KHz/0.1V@8mA DC Bias |                          |
| Hi-POT :        | 1500Vrms.                           |                          |
| Turn Ratio:     | 1CT:1CT±3%                          |                          |
| Insertion Loss: | 1-100MHz                            | 50-125MHz                |
|                 | -1.0dB Max.                         | -1.5dB Max.              |
| Return Loss:    | 1-40MHz                             | 40-125MHz                |
|                 | -16dB Min                           | -16+10log (f/40) dB Min. |
| Cross Talk :    | -30dB Min @ 1-125MHz                |                          |
| D.C.M.R.        | -30dB Min @1-125MHz                 |                          |

## Dimensions

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



## Schematic



## Mark

- 1.LAN\*\*\*\*----LAN7241
2. X----PRODUCT LINE or BLANK
3. DATE CODE----YYWW
4. SS----93 or BLANK
5. #----G means RoHS

## Package info

LAN7241-93R—Tape Reel