

## 2.5GBASE-T Magnetics Module

- Meets IEEE 802.3bz standard
- RoHS Compliant
- Single port configuration
- Suitable for End-span PoE application with 600mA current capability
- Operating Temperature: -40°C ~ +85°C

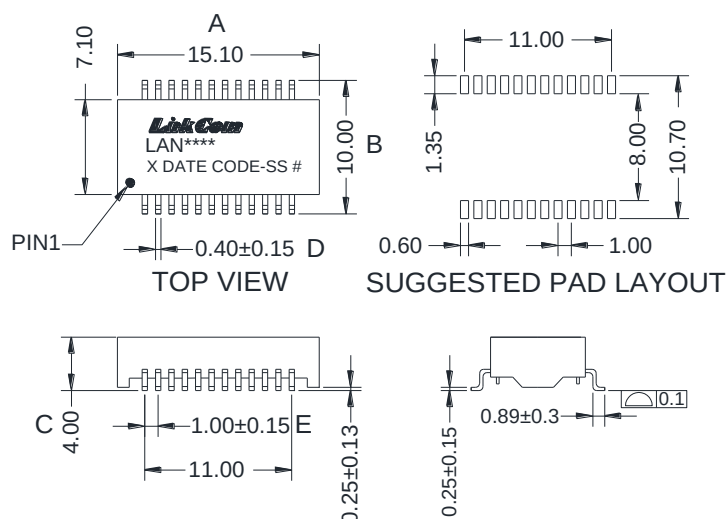
### Electrical Specification @25°C

|                 |                                          |                       |            |
|-----------------|------------------------------------------|-----------------------|------------|
| Inductance:     | 150uH Min. @100KHz/0.1V with 8mA DC Bias |                       |            |
| Hi-POT :        | 1500V                                    |                       |            |
| Turn Ratio:     | 1CT:1CT±3%                               |                       |            |
| Insertion Loss: | 1-125MHz @ -1.0dB Max.                   |                       |            |
| Return Loss:    | 1-40MHz                                  | 40-125MHz             |            |
|                 | -16dB Min                                | -16+10log(f/40)dB Min |            |
| D.C.M.R :       | 30MHz                                    | 60MHz                 | 125MHz     |
|                 | -40dB Min.                               | -35dB Min.            | -30dB Min. |
| Cross Talk :    | 30MHz                                    | 60MHz                 | 125MHz     |
|                 | -40dB Min.                               | -35dB Min.            | -30dB Min. |

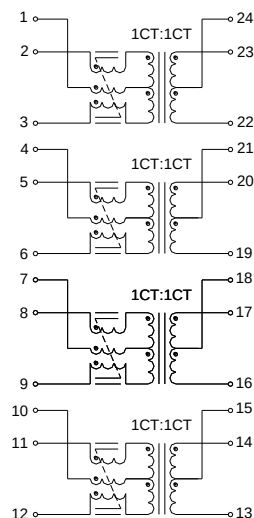
### Dimensions

Units: mm

Unless otherwise specified, all tolerances are ±0.25



### Schematic



### Mark

1. LAN\*\*\*\*----LAN7242
2. X----PRODUCT LINE or BLANK
3. DATE CODE----YYWW
4. SS----- 93 or BLANK
5. #----G means RoHS

### Package info

LAN7242-93R—Tape Reel