

## 10/100 BASE-Tx Magnetics Module

- Meets IEEE 802.3 standard
- RoHS Compliant
- Single port configuration
- Low profile packages for PC card, Carbus and laptop applications
- Suitable for End-span PoE application with 350mA current capability
- Operating Temperature: 0°C ~+70°C (Inductance:350uH Min.); -40°C ~+85°C (200uH Min.)

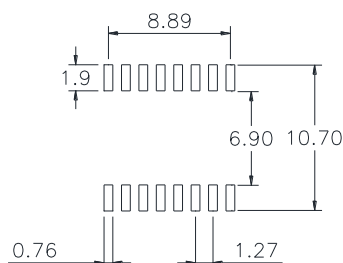
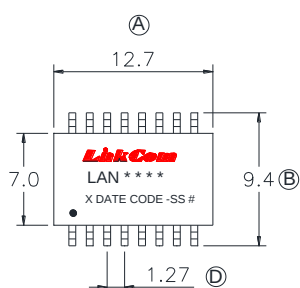
### Electrical Specification @25°C

|                 |                                                                   |              |              |            |
|-----------------|-------------------------------------------------------------------|--------------|--------------|------------|
| Inductance:     | 350uH Min. @100KHz/0.1V<br>200uH Min. @100KHz/0.1V (-40°C ~+85°C) |              |              |            |
| Hi-POT :        | 1500Vrms.                                                         |              |              |            |
| Turn Ratio:     | 1CT:1CT±3%                                                        |              |              |            |
| Insertion Loss: | -1.1dB Max.@ 0.5-100MHz                                           |              |              |            |
| Return Loss:    | 0.5-30MHz                                                         | 40 MHz       | 50MHz        | 60-80MHz   |
|                 | -18dB Min.                                                        | -15.5dB Min. | -13.5dB Min. | -10dB Min. |
| D.C.M.R.:       | -30dB Min. @ 0.5-100MHz                                           |              |              |            |
| Cross Talk :    | -30dB Min. @ 0.5-100MHz                                           |              |              |            |

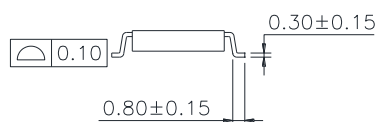
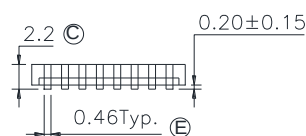
### Dimensions

Units: mm

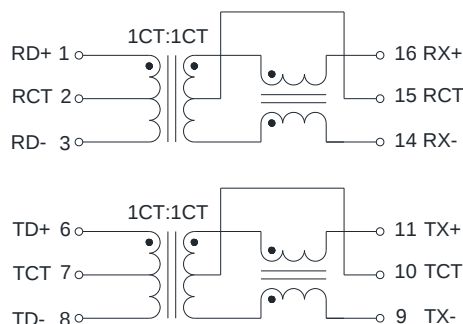
Unless otherwise specified, all tolerances are ±0.25



SUGGESTED PAD LAYOUT



### Schematic



### Mark

1. LAN\*\*\*\*----LAN0079
2. X----PRODUCT LINE or BLANK
3. DATE CODE----YYWW
4. SS----- 50 or BLANK
5. #----G means RoHS

### Package info

LAN0079-50R—Tape Reel