



## TDK PULSE TRANSFORMER FOR LAN

TLA-8T102WLF(-T) FOR MOST, EXTENDED TEMPERATURE RANGE  
16PIN(1.27mm PITCH) SMD PACKAGE

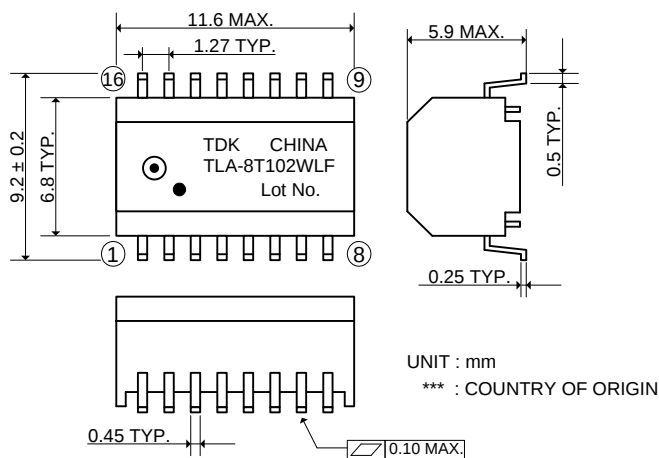
### FEATURES

- LEAD FREE PRODUCT
- DESIGNED FOR LEAD FREE REFLOW SOLDERING (260°C MAX)
- GREATER THAN 100 $\mu$ H(100KHz,-40~+95°C)
- EXCELLENT COMMON MODE NOISE SUPPRESSION
- USING THE HIGH-QUALITY AND WIDE-BAND FERRITE CORES FOR LAN
- TAPE & REEL AVAILABLE (TLA-8T102WLF-T ; TAPE&REEL)

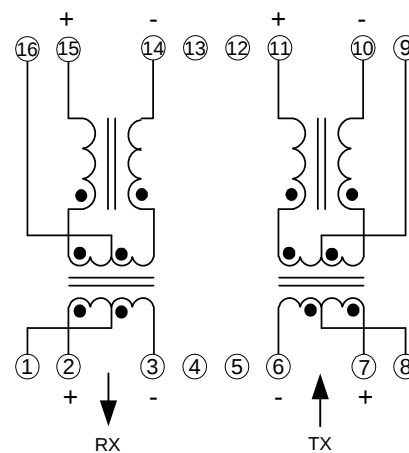
### GENERAL SPECIFICATIONS

|                       |                  |
|-----------------------|------------------|
| OPERATING TEMPERATURE | : -40 ~ +95°C    |
| STORAGE TEMPERATURE   | : -40 ~ +95°C    |
| WITHSTANDING VOLTAGE  | : 100Vrms 60sec. |

### DIMENSIONS



### SCHEMATICS



### ELECTRICAL CHARACTERISTICS

N.C. PIN ④ ⑤ ⑫ ⑬

 $T_a=25^{\circ}\text{C}$ 

| PART NUMBER      | TURNS RATIO                    | INDUCTANCE                        | INSERTION LOSS                      | INTER WINDING CAPACITANCE           |
|------------------|--------------------------------|-----------------------------------|-------------------------------------|-------------------------------------|
|                  |                                | 100KHz                            | 1~50MHz                             | 100KHz                              |
|                  | ② ① ③ : ⑮ ⑯ ⑭<br>⑥ ⑧ ⑦ : ⑪ ⑨ ⑩ | ② - ③<br>⑦ - ⑥<br>( $\mu$ H) MIN. | ⑮ ⑭ - ② ③<br>⑦ ⑥ - ⑪ ⑩<br>(dB) MAX. | ② ③ - ⑮ ⑭<br>⑦ ⑥ - ⑪ ⑩<br>(pF) MAX. |
| TLA-8T102WLF(-T) | 1CT : 1CT<br>1CT : 1.5CT       | 100<br>100                        | 1.0<br>1.5                          | 25                                  |

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

4CT-6820674-x