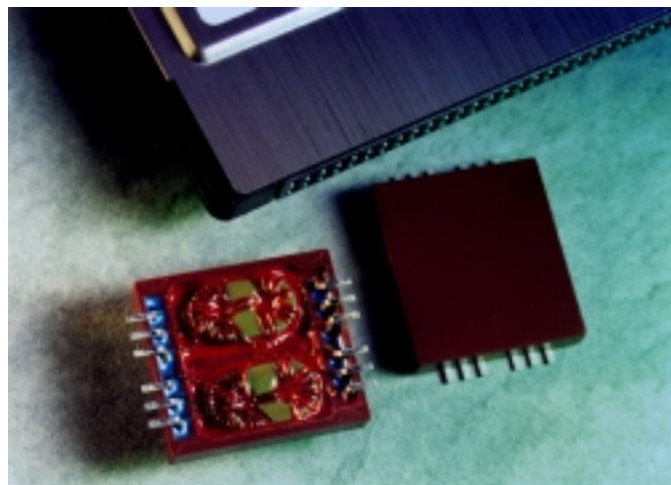


## SINGLE PORT TRANSFORMER MODULES FOR 10/100 BASE-T

### DESCRIPTION

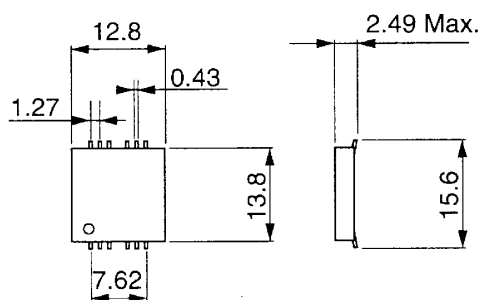
The NF14 Series is a single port transformer module for surface mounting compliant with all IEEE 802.3 standards. An extremely low profile makes it ideal for implementing 10/100 Base-TX connectivity in laptop computers as well as PCMCIA (Type II) cards.



### FEATURES

- Dielectric Strength: 1500Vrms, 1 minute
- Inter Winding Capacitance: 15 pF (max.)
- Operating temperature: 0° C to + 70° C
- Storage temperature: - 40° C to + 85° C
- Suitable for reflow soldering.
- Available individually or on tape in reels of 1000.

### DIMENSIONS



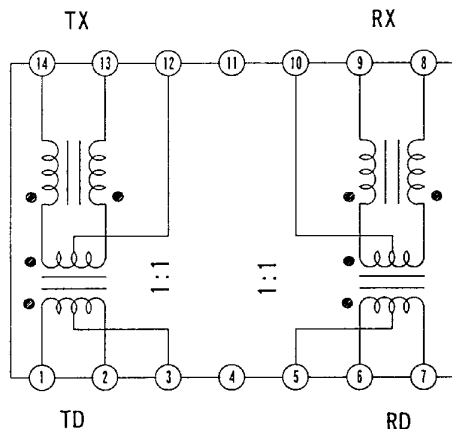
Units: mm

### CHARACTERISTICS

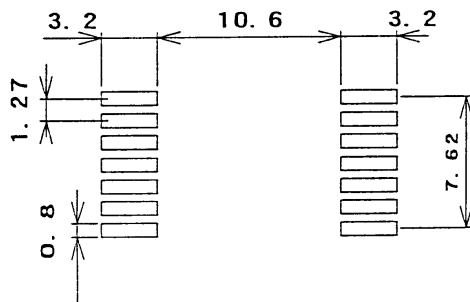
| Toko Part No. | Turn Ratio |         | Inductance<br>$\mu$ H (min.) | Insertion Loss<br>dB (max.) | Return Loss<br>dB (min.) | CMRR<br>dB (min.) |
|---------------|------------|---------|------------------------------|-----------------------------|--------------------------|-------------------|
|               | TD : TX    | RD : RX | at 100kHz, 8mA DC            | at 1~100MHz                 | at 1~100MHz              | at 1~100MHz       |
| NF14-01       | 1:1        | 1:1     | 350                          | 1.0                         | 15                       | 30                |
| NF14-02       | 1.4:1      | 1:1     | 350                          | 1.0                         | 15                       | 30                |

# NF14 Series

## SCHEMATIC



## SUGGESTED FOOTPRINT



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