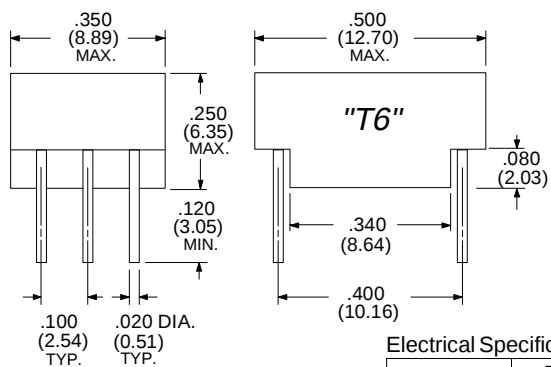




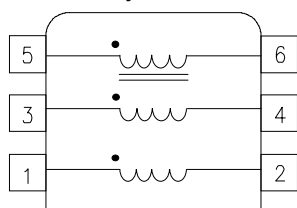
# Multi-Purpose Single Transformers

Offered in a Wide Range of Inductances and Turns Ratios, suited for a variety of requirements including LAN Networking and other Data Communications applications.

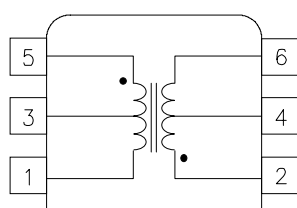
High Potential Test 1000 Vrms min.

Variations in electrical parameters and lead lengths are available. For alternate schematic types refer to page 13.

Schematic Style "A"



Schematic Style "G"



Electrical Specifications at 25°C

| Part Number | Turns Ratio (± 5 %) | OCL min. (μH) | Min. Pri. ET-Const. (V-μsec) | Rise Time max. (ns) | Pri-Sec C <sub>www</sub> max. (pF) | Leakage Inductance max. (μH) | Pri DCR max. (Ω) | Schem. Style |
|-------------|---------------------|---------------|------------------------------|---------------------|------------------------------------|------------------------------|------------------|--------------|
| T-50100     | 1:1:1               | 5000          | 25.0                         | 10.5                | 60                                 | 1.3                          | 3.9              | A            |
| T-50101     | 1:1:1               | 2000          | 16.0                         | 8.2                 | 37                                 | 0.8                          | 2.5              | A            |
| T-50102     | 1:1:1               | 500           | 8.5                          | 5.3                 | 32                                 | 0.4                          | 1.3              | A            |
| T-50103     | 1:1:1               | 200           | 5.0                          | 4.2                 | 18                                 | 0.3                          | 0.9              | A            |
| T-50104     | 1:1:1               | 50            | 5.2                          | 5.6                 | 18                                 | 0.5                          | 1.3              | A            |
| T-50105     | 1:1:1               | 20            | 3.2                          | 4.1                 | 21                                 | 0.4                          | 0.9              | A            |
| T-50106     | 1:1:1               | 10            | 3.7                          | 5.1                 | 22                                 | 0.5                          | 0.9              | A            |
| T-50109     | 1CT:1CT             | 5000          | 25.0                         | 10.5                | 60                                 | 1.3                          | 3.9              | G            |
| T-50110     | 1CT:1CT             | 2000          | 16.0                         | 8.2                 | 37                                 | 0.8                          | 2.5              | G            |
| T-50111     | 1CT:1CT             | 500           | 8.5                          | 5.3                 | 32                                 | 0.4                          | 1.3              | G            |
| T-50112     | 1CT:1CT             | 200           | 5.0                          | 4.2                 | 18                                 | 0.3                          | 0.9              | G            |
| T-50113     | 1CT:1CT             | 50            | 5.2                          | 5.6                 | 18                                 | 0.5                          | 1.3              | G            |
| T-50114     | 1CT:1CT             | 20            | 3.2                          | 4.1                 | 21                                 | 0.4                          | 0.9              | G            |
| T-50115     | 1CT:1CT             | 10            | 3.7                          | 5.1                 | 22                                 | 0.5                          | 0.9              | G            |
| T-50117     | 2CT:1CT             | 5000          | 25.0                         | 10.5                | 60                                 | 1.3                          | 3.9              | G            |
| T-50118     | 2CT:1CT             | 2000          | 16.0                         | 11.0                | 19                                 | 1.8                          | 2.5              | G            |
| T-50119     | 2CT:1CT             | 500           | 8.5                          | 5.6                 | 12                                 | 1.2                          | 1.4              | G            |
| T-50120     | 2CT:1CT             | 200           | 5.0                          | 3.2                 | 8                                  | 0.8                          | 0.9              | G            |
| T-50121     | 2CT:1CT             | 50            | 5.2                          | 5.2                 | 12                                 | 1.3                          | 1.3              | G            |
| T-50122     | 2CT:1CT             | 20            | 5.8                          | 7.5                 | 12                                 | 1.5                          | 1.3              | G            |
| T-50123     | 2CT:1CT             | 10            | 3.7                          | 4.5                 | 9                                  | 1.5                          | 0.9              | G            |

## Dual & Triple Multi-Purpose Transformers

Fast Rise Times - High Isolation 2000 Vrms

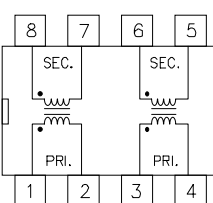
Economical Density: 2 or 3 Per Package

Transfer Molded DIP / SMD Packages

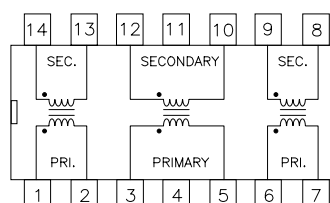
Electrical Specifications at 25° C

| Dual 8 Pin Part No. | Triple 14 Pin Part No. | Turns Ratio (± 5%) | OCL (± 20%) (μH) | E-T min. V-μS | Rise Time max. (ns) | Pri./Sec. C <sub>www</sub> max. (pF) | L <sub>L</sub> max. (μH) | DCR max. (Ω) |
|---------------------|------------------------|--------------------|------------------|---------------|---------------------|--------------------------------------|--------------------------|--------------|
| T-11400             | T-10700                | 1:1                | 30               | 1.8           | 3.0                 | 8                                    | 0.20                     | 0.20         |
| T-11401             | T-10701                | 1:1                | 35               | 1.8           | 3.0                 | 8                                    | 0.20                     | 0.20         |
| T-11402             | T-10702                | 1:1                | 50               | 2.1           | 3.0                 | 9                                    | 0.20                     | 0.20         |
| T-11403             | T-10703                | 1:1                | 75               | 2.3           | 3.0                 | 10                                   | 0.20                     | 0.25         |
| T-11404             | T-10704                | 1:1                | 80               | 2.3           | 3.0                 | 10                                   | 0.20                     | 0.25         |
| T-11405             | T-10705                | 1:1                | 100              | 2.7           | 3.5                 | 10                                   | 0.20                     | 0.25         |
| T-11406             | T-10706                | 1:1                | 150              | 3.0           | 3.5                 | 12                                   | 0.25                     | 0.30         |
| T-11407             | T-10707                | 1:1                | 200              | 3.5           | 3.5                 | 15                                   | 0.25                     | 0.40         |
| T-11408             | T-10708                | 1:1                | 250              | 3.5           | 3.5                 | 15                                   | 0.25                     | 0.40         |

Dual Schematic



Triple Schematic



Low Profile DIP / SMD  
8 & 14 Pin Packages  
See pg. 40,  
figs. 4, 5 & 6

