

# TRANSFORMERS

## LEADLESS SURFACE-MOUNT MODELS



| IMPEDANCE<br>RATIO<br>PRI : SEC | CENTER<br>TAP |     | FREQUENCY<br>(MHz) | BANDWIDTH (MHz) for<br>INSERTION-LOSS |           |           | FIGURE<br>(See<br>Below) | PACKAGE | PIN-OUT<br>(See<br>Below) | MODEL |
|---------------------------------|---------------|-----|--------------------|---------------------------------------|-----------|-----------|--------------------------|---------|---------------------------|-------|
|                                 | PRI           | SEC |                    | 1dB                                   | 2dB       | 3dB       |                          |         |                           |       |
| 1:1                             | No            | Yes | 0.003-300          | 0.02-50                               | 0.01-150  | 0.003-300 | 1                        | 134     | 1                         | ST-K1 |
| 1:1.5                           | No            | No  | 0.075-400          | 0.370-185                             | 0.120-300 | 0.075-400 | 2                        | 134     | 2                         | ST-K2 |
| 1:2                             | No            | No  | 0.650-525          | -                                     | 2.2-400   | 0.650-525 | 2                        | 134     | 2                         | ST-K3 |
| 1:2.5                           | No            | Yes | 0.070-300          | 0.780-175                             | 0.140-225 | 0.070-300 | 1                        | 134     | 1                         | ST-K4 |
| 1:3                             | No            | No  | 0.270-500          | 3.6-160                               | 0.490-430 | 0.270-500 | 2                        | 134     | 2                         | ST-K5 |
| 1:4                             | No            | Yes | 0.2-350            | 2-100                                 | 0.35-300  | 0.2-350   | 1                        | 134     | 1                         | ST-K6 |
| 1:5                             | No            | Yes | 0.3-300            | 0.5-100                               | 0.6-200   | 0.3-300   | 1                        | 134     | 1                         | ST-K7 |
| 1:6                             | No            | No  | 0.3-200            | 5-50                                  | 0.5-150   | 0.3-200   | 2                        | 134     | 2                         | ST-K8 |

**NOTE:** All devices shown have 1 Watt Power Rating  
Temperature range for plastic package is -25°C to +85°C

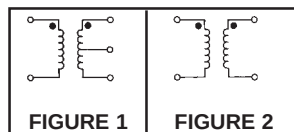


FIGURE 1

FIGURE 2

PIN-OUT TABLE

|     | Primary<br>DOT | Primary | Primary<br>Center-Tap | Secondary<br>DOT | Secondary | Secondary<br>Center-Tap |
|-----|----------------|---------|-----------------------|------------------|-----------|-------------------------|
| # 1 | 4              | 6       | -                     | 3                | 1         | 2                       |
| # 2 | 4              | 6       | -                     | 3                | 1         | -                       |

For pin location and package outline drawings, see back pages.

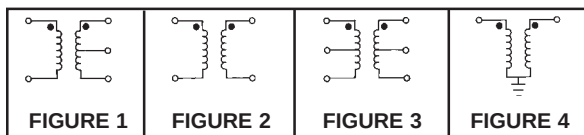
# TRANSFORMERS

## LEADED SURFACE-MOUNT MODELS



| IMPEDANCE<br>RATIO<br>PRI : SEC | CENTER<br>TAP |     | FREQUENCY<br>(MHz) | BANDWIDTH (MHz) for<br>INSERTION-LOSS |           |            | FIGURE<br>(See<br>Below) | PACKAGE | PIN-OUT<br>(See<br>Below) | MODEL  |
|---------------------------------|---------------|-----|--------------------|---------------------------------------|-----------|------------|--------------------------|---------|---------------------------|--------|
|                                 | PRI           | SEC |                    | 1dB                                   | 2dB       | 3dB        |                          |         |                           |        |
| 1:1                             | No            | Yes | 0.04-140           | 0.100-55                              | 0.05-100  | 0.04-140   | 1                        | 156     | 1                         | TW-207 |
| 1:1                             | No            | Yes | 0.05-200           | 0.2-80                                | 0.08-150  | 0.05-200   | 1                        | 156     | 1                         | TW-2Q2 |
| 1:1                             | No            | Yes | 0.003-300          | 0.02-50                               | 0.01-150  | 0.003-300  | 1                        | 156     | 1                         | TW-2A2 |
| 1:1                             | No            | Yes | 5-450              | 12-150                                | 7-300     | 5-450      | 1                        | 156     | 1                         | TW-206 |
| 1:1                             | No            | No  | 0.028-1000         | 0.055-450                             | 0.035-900 | 0.028-1000 | 2                        | 156     | 2                         | TW-205 |
| 1:1                             | No            | No  | 9-1200             | 20-150                                | 12-790    | 9-1200     | 2                        | 156     | 2                         | TW-204 |
| 1:1.5                           | No            | Yes | 0.480-175          | 2-54                                  | 0.135-120 | 0.480-175  | 1                        | 156     | 1                         | TW-209 |
| 1:1.5                           | No            | No  | 0.075-400          | 0.370-185                             | 0.120-300 | 0.075-400  | 2                        | 156     | 2                         | TW-208 |
| 1:1.5                           | No            | No  | 0.100-400          | 0.250-200                             | 0.140-300 | 0.100-400  | 2                        | 156     | 2                         | TW-211 |
| 1:1.5                           | Yes           | Yes | 0.075-500          | 1-50                                  | 0.2-100   | 0.075-500  | 3                        | 156     | 3                         | TW-2A3 |
| 1:2                             | No            | Yes | 0.060-250          | 1.7-55                                | 0.100-190 | 0.060-250  | 1                        | 156     | 1                         | TW-216 |
| 1:2                             | No            | No  | 0.100-275          | 1-85                                  | 0.200-195 | 0.100-275  | 2                        | 156     | 2                         | TW-215 |
| 1:2                             | No            | No  | 0.650-525          | -                                     | 2.2-400   | 0.650-525  | 2                        | 156     | 2                         | TW-210 |
| 1:2                             | No            | No  | 0.050-600          | 0.5-200                               | 0.1-400   | 0.050-600  | 4                        | 156     | 4                         | TW-2A4 |
| 1:2.5                           | No            | Yes | 0.01-100           | 0.50-20                               | 0.02-50   | 0.01-100   | 1                        | 156     | 1                         | TW-2A1 |
| 1:2.5                           | No            | Yes | 0.070-300          | 0.780-175                             | 0.140-225 | 0.070-300  | 1                        | 156     | 1                         | TW-219 |
| 1:2.5                           | No            | Yes | 0.300-300          | -                                     | 0.700-200 | 0.300-300  | 1                        | 156     | 1                         | TW-218 |
| 1:2.5                           | No            | No  | 0.230-495          | 4.8-175                               | 0.400-425 | 0.230-495  | 2                        | 156     | 2                         | TW-217 |
| 1:3                             | No            | Yes | 0.05-250           | 0.5-70                                | 0.1-200   | 0.05-250   | 1                        | 156     | 1                         | TW-2B2 |
| 1:3                             | No            | Yes | 0.080-340          | 0.550-150                             | 0.160-295 | 0.080-340  | 1                        | 156     | 1                         | TW-220 |
| 1:3                             | No            | No  | 0.270-500          | 3.6-160                               | 0.490-430 | 0.270-500  | 2                        | 156     | 2                         | TW-225 |
| 1:4                             | No            | No  | 0.02-200           | 0.1-100                               | 0.05-150  | 0.02-200   | 2                        | 156     | 2                         | TW-2C2 |
| 1:4                             | No            | No  | 0.115-200          | 12-50                                 | 0.240-155 | 0.115-200  | 2                        | 156     | 2                         | TW-227 |
| 1:4                             | No            | Yes | 0.245-425          | 5.5-215                               | 0.475-350 | 0.245-425  | 1                        | 156     | 1                         | TW-226 |
| 1:4                             | No            | Yes | 0.2-350            | 2-100                                 | 0.35-300  | 0.2-350    | 1                        | 156     | 1                         | TW-2C3 |
| 1:5                             | No            | Yes | 0.3-300            | 0.5-100                               | 0.6-200   | 0.3-300    | 1                        | 156     | 1                         | TW-2E2 |
| 1:8                             | No            | No  | 0.15-250           | 2-100                                 | 0.25-200  | 0.15-250   | 4                        | 156     | 4                         | TW-2G2 |
| 1:9                             | No            | No  | 0.15-200           | 2-40                                  | 0.3-150   | 0.15-200   | 2                        | 156     | 2                         | TW-2D2 |
| 1:13                            | No            | Yes | 0.3-120            | 5-20                                  | 0.7-80    | 0.3-120    | 1                        | 156     | 1                         | TW-2F2 |
| 1:16                            | No            | No  | 0.3-120            | 5-20                                  | 0.7-80    | 0.3-120    | 2                        | 156     | 2                         | TW-2H2 |
| 1:36                            | No            | No  | 0.03-20            | 0.1-5.0                               | 0.05-10   | 0.03-20    | 2                        | 156     | 2                         | TW-2B1 |
| 1:4                             | No            | Yes | 0.02-250           | 0.1-100                               | 0.05-150  | 0.02-250   | 1                        | 156     | 1                         | TW-2K1 |

**NOTE:** All devices shown have 1 Watt Power Rating  
Temperature range for plastic package is -25°C to +85°C



For pin location and package outline drawings, see back pages.

PIN-OUT TABLE

|     | Primary<br>DOT | Primary | Primary<br>Center-Tap | Secondary<br>DOT | Secondary | Secondary<br>Center-Tap |
|-----|----------------|---------|-----------------------|------------------|-----------|-------------------------|
| # 1 | 4              | 6       | -                     | 3                | 1         | 2                       |
| # 2 | 4              | 6       | -                     | 3                | 1         | -                       |
| # 3 | 4              | 6       | 5                     | 3                | 1         | 2                       |
| # 4 | 6              | *3      | -                     | 1                | *3        | -                       |

\* Pin must be grounded

# TRANSFORMERS

## MINIATURE 8 PIN - RELAY HEADER



| IMPEDANCE<br>RATIO<br>PRI : SEC | CENTER<br>TAP |     | FREQUENCY<br>(MHz) | BANDWIDTH (MHz) for<br>INSERTION-LOSS |            |            | FIGURE<br>(See<br>Below) | PACKAGE | PIN-OUT<br>(See<br>Below) | MODEL  |
|---------------------------------|---------------|-----|--------------------|---------------------------------------|------------|------------|--------------------------|---------|---------------------------|--------|
|                                 | PRI           | SEC |                    | 1dB                                   | 2dB        | 3dB        |                          |         |                           |        |
| 1:1                             | No            | Yes | 0.04-140           | 0.100-55                              | 0.05-100   | 0.04-140   | 1                        | 108     | 2                         | TP-207 |
| 1:1                             | No            | Yes | 5-450              | 12-150                                | 7-300      | 5-450      | 1                        | 108     | 2                         | TP-206 |
| 1:1                             | No            | No  | 1-800              | -                                     | 2-500      | 1-800      | 2                        | 108     | 4                         | TP-2C4 |
| 1:1                             | No            | No  | 0.028-1000         | 0.055-450                             | 0.035-900  | 0.028-1000 | 2                        | 108     | 3                         | TP-205 |
| 1:1                             | No            | No  | 9-1200             | 20-150                                | 12-790     | 9-1200     | 2                        | 108     | 3                         | TP-204 |
| 1:1.5                           | No            | Yes | 0.480-175          | 2-54                                  | 0.135-120  | 0.480-175  | 1                        | 108     | 2                         | TP-209 |
| 1:1.5                           | No            | No  | 0.1-300            | 0.5-8                                 | 0.2-150    | 0.1-300    | 2                        | 108     | 3                         | TP-2R2 |
| 1:1.5                           | No            | No  | 0.075-400          | 0.370-1 85                            | 0.1 20-300 | 0.075-400  | 2                        | 108     | 3                         | TP-208 |
| 1:1.5                           | No            | No  | 0.100-400          | 0.250-200                             | 0.140-300  | 0.100-400  | 2                        | 108     | 3                         | TP-211 |
| 1:2                             | No            | Yes | 0.07-200           | 0.5-50                                | 0.1-100    | 0.07-200   | 1                        | 108     | 2                         | TP-2J2 |
| 1:2                             | No            | Yes | 0.060-250          | 1.7-55                                | 0.100-190  | 0.060-250  | 1                        | 108     | 2                         | TP-216 |
| 1:2                             | No            | No  | 0.100-275          | 1-85                                  | 0.200-195  | 0.100-275  | 2                        | 108     | 3                         | TP-215 |
| 1:2                             | No            | No  | 0.650-525          | -                                     | 2.2-400    | 0.650-525  | 2                        | 108     | 3                         | TP-210 |
| 1:2                             | No            | No  | 0.050-600          | 0.5-200                               | 0.1-400    | 0.060-600  | 4                        | 108     | 1                         | TP-2B4 |
| 1:2.5                           | No            | Yes | 0.070-300          | 0.780-175                             | 0.140-225  | 0.070-300  | 1                        | 108     | 2                         | TP-219 |
| 1:2.5                           | No            | Yes | 0.300-300          | -                                     | 0.700-200  | 0.300-300  | 1                        | 108     | 2                         | TP-218 |
| 1:2.5                           | No            | No  | 0.230-495          | 4.8-175                               | 0.400-425  | 0.230-495  | 2                        | 108     | 3                         | TP-217 |
| 1:3                             | No            | Yes | 0.080-340          | 0.550-150                             | 0.160-295  | 0.080-340  | 1                        | 108     | 2                         | TP-220 |
| 1:3                             | No            | No  | 0.270-500          | 3.6-160                               | 0.490-430  | 0.270-500  | 2                        | 108     | 3                         | TP-225 |
| 1:4                             | No            | No  | 0.115-200          | 12-50                                 | 0.240-155  | 0.115-200  | 2                        | 108     | 3                         | TP-227 |
| 1:4                             | No            | Yes | 0.2-350            | 2-100                                 | 0.35-300   | 0.2-350    | 1                        | 108     | 2                         | TP-2D3 |
| 1:4                             | No            | Yes | 0.245-425          | 5.5-215                               | 0.475-350  | 245-425    | 1                        | 108     | 2                         | TP-226 |
| 1:5                             | No            | Yes | 0.3-300            | 5-100                                 | 0.6-200    | 3-300      | 1                        | 108     | 2                         | TP-2M2 |
| 1:6                             | No            | No  | 0.3-200            | 0.3-200                               | 0.5-150    | 5-50       | 2                        | 108     | 3                         | TP-2T2 |
| 1:8                             | No            | No  | 0.15-250           | 2-100                                 | 0.25-200   | 0.15-250   | 4                        | 108     | 1                         | TP-2L2 |
| 1:9                             | No            | No  | 0.15-200           | 2-40                                  | 0.3-150    | 0.15-200   | 2                        | 108     | 3                         | TP-2N2 |
| 1:16                            | No            | No  | 0.3-120            | 5-20                                  | 0.7-80     | 0.3-120    | 2                        | 108     | 3                         | TP-2P2 |

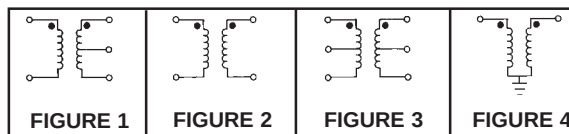
**NOTE:** All devices shown have 1 Watt Power Rating

For pin location and package outline drawings, see back pages.

PIN-OUT TABLE

|    | Primary<br>DOT | Primary | Primary<br>Center-Tap | Secondary<br>DOT | Secondary | Secondary<br>Center-Tap | Case<br>Ground |
|----|----------------|---------|-----------------------|------------------|-----------|-------------------------|----------------|
| #1 | 1              | *6      | -                     | 2                | *6        | -                       | 7,8            |
| #2 | 1              | 5       | -                     | 2                | 6         | 4                       | 7,8            |
| #3 | 1              | 5       | -                     | 2                | 6         | -                       | 7,8            |
| #4 | 1              | 3       | -                     | 2                | 4         | -                       | 7,8            |

\* Pin must be grounded



# TRANSFORMERS

## 8 PIN - MINIATURE RELAY HEADER



| IMPEDANCE<br>RATIO<br>PRI : SEC | CENTER<br>TAP |     | FREQUENCY<br>(MHz) | BANDWIDTH (MHz) for<br>INSERTION-LOSS |          |          | FIGURE<br>(See<br>Below) | PACKAGE | PIN-OUT<br>(See<br>Below) | MODEL  |
|---------------------------------|---------------|-----|--------------------|---------------------------------------|----------|----------|--------------------------|---------|---------------------------|--------|
|                                 | PRI           | SEC |                    | 1dB                                   | 2dB      | 3dB      |                          |         |                           |        |
| 1:2.5                           | No            | Yes | 0.01-100           | 0.05-20                               | 0.02-50  | 0.01-100 | 1                        | 107     | 1                         | TP-2C1 |
| 1:4                             | No            | No  | 0.02-200           | 0.1-100                               | 0.05-150 | 0.02-200 | 2                        | 107     | 2                         | TP-2K2 |

**NOTE:** All devices shown have 1 Watt Power Rating



## CONNECTORIZED PACKAGE

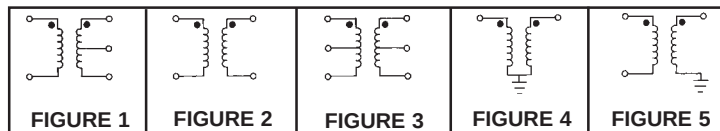
| IMPEDANCE<br>RATIO<br>PRI : SEC | CENTER<br>TAP |     | FREQUENCY<br>(MHz) | BANDWIDTH (MHz) for<br>INSERTION-LOSS |         |          | FIGURE<br>(See<br>Below) | PACKAGE | PIN-OUT<br>(See<br>Below) | MODEL   |
|---------------------------------|---------------|-----|--------------------|---------------------------------------|---------|----------|--------------------------|---------|---------------------------|---------|
|                                 | PRI           | SEC |                    | 1dB                                   | 2dB     | 3dB      |                          |         |                           |         |
| 1:1.5                           | No            | No  | 0.1-400            | 5-100                                 | 1-200   | 0.1-400  | 4                        | 118     | 4                         | TK-701B |
| 1:1                             | No            | No  | 0.01-125           | 0.1-25                                | 0.05-50 | 0.01-125 | 5                        | 118     | 3                         | TK-702B |
| 1:1                             | No            | No  | 0.2-500            | 1-100                                 | 0.5-300 | 0.2-500  | 5                        | 118     | 3                         | TK-703B |

**NOTE:** All devices shown have 1 Watt Power Rating  
For pin location and package outline drawings, see back pages.

PIN-OUT TABLE

|     | Primary<br>DOT | Primary  | Primary<br>Center-Tap | Secondary<br>DOT | Secondary  | Secondary<br>Center-Tap | Case<br>Ground |
|-----|----------------|----------|-----------------------|------------------|------------|-------------------------|----------------|
| # 1 | 1              | 5        | -                     | 2                | 6          | 4                       | 7,8            |
| # 2 | 1              | 5        | -                     | 2                | 6          | -                       | 7,8            |
| # 3 | -              | Balanced | -                     | -                | Unbalanced | -                       | -              |
| # 4 | 1              | *6       | -                     | 2                | *6         | -                       | 7,8            |

\* Pin must be grounded



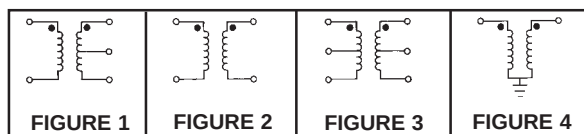
# TRANSFORMERS

## PLASTIC FLAT-PACK MODELS



| IMPEDANCE<br>RATIO<br>PRI : SEC | CENTER<br>TAP |     | FREQUENCY<br>(MHz) | BANDWIDTH (MHz) for<br>INSERTION-LOSS |            |            | FIGURE<br>(See<br>Below) | PACKAGE | PIN-OUT<br>(See<br>Below) | MODEL  |
|---------------------------------|---------------|-----|--------------------|---------------------------------------|------------|------------|--------------------------|---------|---------------------------|--------|
|                                 | PRI           | SEC |                    | 1dB                                   | 2dB        | 3dB        |                          |         |                           |        |
| 1:1                             | No            | Yes | 0.04-140           | 0.100-55                              | 0.05-100   | 0.04-140   | 1                        | 116     | 1                         | TX-207 |
| 1:1                             | No            | Yes | 0.05-200           | 0.2-80                                | 0.08-150   | 0.05-200   | 1                        | 116     | 1                         | TX-2Q2 |
| 1:1                             | No            | Yes | 0.003-300          | 0.02-50                               | 0.01-150   | 0.003-300  | 1                        | 116     | 1                         | TX-2A2 |
| 1:1                             | No            | Yes | 5-450              | 12-150                                | 7-300      | 5-450      | 1                        | 116     | 1                         | TX-206 |
| 1:1                             | No            | No  | 0.028-1000         | 0.055-450                             | 0.035-900  | 0.028-1000 | 2                        | 116     | 4                         | TX-205 |
| 1:1                             | No            | No  | 9-1200             | 20-150                                | 12-790     | 9-1200     | 2                        | 116     | 4                         | TX-204 |
| 1:1.5                           | No            | Yes | 0.480-175          | 2-54                                  | 0.135-120  | 0.480-175  | 1                        | 116     | 1                         | TX-209 |
| 1:1.5                           | No            | No  | 0.075-400          | 0.370-185                             | 0.120-300  | 0.075-400  | 2                        | 116     | 4                         | TX-208 |
| 1:1.5                           | No            | No  | 0.100-400          | 0.250-200                             | 0.140-300  | 0.100-400  | 2                        | 116     | 4                         | TX-211 |
| 1:1.5                           | Yes           | Yes | 0.075-500          | 1-50                                  | 0.2-100    | 0.075-500  | 3                        | 116     | 3                         | TX-2A3 |
| 1:2                             | No            | Yes | 0.060-250          | 1.7-55                                | 0.100-190  | 0.060-250  | 1                        | 116     | 1                         | TX-216 |
| 1:2                             | No            | No  | 0.100-275          | 1-85                                  | 0.200-195  | 0.100-275  | 2                        | 116     | 4                         | TX-215 |
| 1:2                             | No            | No  | 0.650-525          | -                                     | 2.2-400    | 0.650-525  | 2                        | 116     | 4                         | TX-210 |
| 1:2                             | No            | No  | 0.050-600          | 0.5-200                               | 0.1-400    | 0.050-600  | 4                        | 116     | 2                         | TX-2A4 |
| 1:2.5                           | No            | Yes | 0.01-100           | 0.50-20                               | 0.02-50    | 0.01-100   | 1                        | 116     | 1                         | TX-2A1 |
| 1:2.5                           | No            | Yes | 0.070-300          | 0.780-175                             | 0.140-225  | 0.070-300  | 1                        | 116     | 1                         | TX-219 |
| 1:2.5                           | No            | Yes | 0.300-300          | -                                     | 0.700-200  | 0.300-300  | 1                        | 116     | 1                         | TX-218 |
| 1:2.5                           | No            | No  | 0.230-495          | 4.8-175                               | 0.400-425  | 0.230-495  | 2                        | 116     | 4                         | TX-217 |
| 1:3                             | No            | Yes | 0.05-250           | 0.5-70                                | 0.1-200    | 0.05-250   | 1                        | 116     | 1                         | TX-2B2 |
| 1:3                             | No            | Yes | 0.080-340          | 0.550-1 50                            | 0.160-295  | 0.080-340  | 1                        | 116     | 1                         | TX-220 |
| 1:3                             | No            | No  | 0.270-500          | 3.6-160                               | 0.490-430  | 0.270-500  | 2                        | 116     | 4                         | TX-225 |
| 1:4                             | No            | No  | 0.02-200           | 0.1-100                               | 0.05-150   | 0.02-200   | 2                        | 116     | 4                         | TX-2C2 |
| 1:4                             | No            | No  | 0.115-200          | 12-50                                 | 0.240-1 55 | 0.115-200  | 2                        | 116     | 4                         | TX-227 |
| 1:4                             | No            | Yes | 0.245-425          | 5.5-215                               | 0.475-350  | 0.245-425  | 1                        | 116     | 1                         | TX-226 |
| 1:4                             | No            | Yes | 0.2-350            | 2-100                                 | 0.35-300   | 0.2-350    | 1                        | 116     | 1                         | TX-2C3 |
| 1:5                             | No            | Yes | 0.3-300            | 0.5-100                               | 0.6-200    | 0.3-300    | 1                        | 116     | 1                         | TX-2E2 |
| 1:8                             | No            | No  | 0.15-250           | 2-100                                 | 0.25-200   | 0.15-250   | 4                        | 116     | 2                         | TX-2G2 |
| 1:9                             | No            | No  | 0.15-200           | 2-40                                  | 0.3-150    | 0.15-200   | 2                        | 116     | 4                         | TX-2D2 |
| 1:13                            | No            | Yes | 0.3-120            | 5-20                                  | 0.7-80     | 0.3-120    | 1                        | 116     | 1                         | TX-2F2 |
| 1:16                            | No            | No  | 0.3-120            | 5-20                                  | 0.7-80     | 0.3-120    | 2                        | 116     | 4                         | TX-2H2 |
| 1:36                            | No            | No  | 0.03-20            | 0.1-5.0                               | 0.05-10    | 0.03-20    | 2                        | 116     | 4                         | TX-2B1 |

**NOTE:** All devices shown have 1 Watt Power Rating  
Temperature range for plastic package is -25°C to +85°C



For pin location and package outline drawings, see back pages.

PIN-OUT TABLE

|     | Primary<br>DOT | Primary | Primary<br>Center-Tap | Secondary<br>DOT | Secondary | Secondary<br>Center-Tap |
|-----|----------------|---------|-----------------------|------------------|-----------|-------------------------|
| # 1 | 4              | 6       | -                     | 3                | 1         | 2                       |
| # 2 | 6              | *3      | -                     | 1                | *3        | -                       |
| # 3 | 4              | 6       | 5                     | 3                | 1         | 2                       |
| # 4 | 4              | 6       | -                     | 3                | 1         | -                       |

\* Pin must be grounded