

## Audio Transformers:

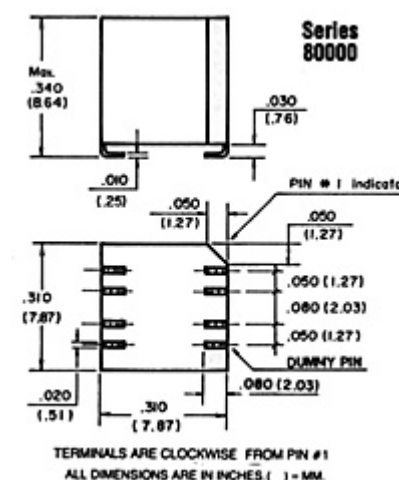
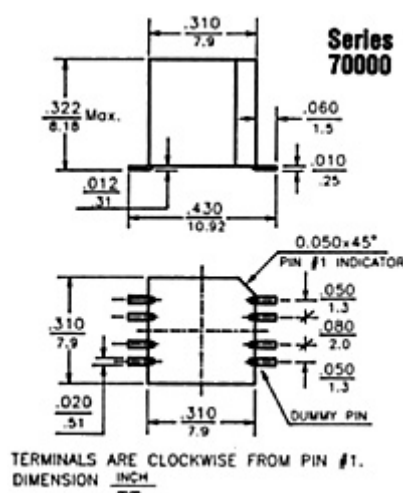
2 Ohm to 30K Ohm; 400Hz to 250KHz; 100 milliwatt at 1KHz

### SURFACE MOUNT

PICO surface mount units utilize materials and methods to withstand extreme temperatures (220° C) of vapor phase, I.R., and other reflow procedures without degradation of electrical or mechanical characteristics.

### Specifications

- **MIL-PRF-27:** All units manufactured to MIL-PRF-27, Grade 5, Class S
- **FREQUENCY RESPONSE:** ± 3db, 400 Hz-250 KHz at 1.0 Milliwatt.
- **MAXIMUM DISTORTION:** 5% with rated power level at 1 KHz and 400 Hz.
- **DIELECTRIC STRENGTH:** All units tested at 200 V RMS.
- **INSULATION RESISTANCE:** Greater than 10,000 Megohms at 300 V DC.
- **WEIGHT:** 1.5 Grams
- **TERMINALS:** Solderability per MIL-STD-202, Method 208.
- **THERMAL SHOCK:** 25 Cycles, Method 107, MIL-STD-202, Test Condition -55° C to +130° C.
- **MOISTURE SENSITIVITY LEVEL :** MSL3



## Audio Transformers: 2 Ohm to 30K Ohm; 400Hz to 250KHz; 100 milliwatt at 1KHz

| Gull Wing PICO Part Number | J Lead PICO Part Number | Prim Imped Ohms | Secondary Impedance Ohms Split Windings |      | Power Milliwatts |                  | Primary Unbal DC Current ma | Prim DC Resist Ohms | Secondary DC Resistance Ohms |          | Turns/Ratio Prim/Sec |              | Pico Prices 1-9 *** (US \$) |
|----------------------------|-------------------------|-----------------|---|------|------------------|------------------|-----------------------------|---------------------|------------------------------|----------|----------------------|--------------|-----------------------------|
|                            |                         |                 | SER                                     | PAR  | 1KHz and higher  | 400Hz and higher |                             |                     | SER CONN                     | PAR CONN | SEC SER CONN         | SEC PAR CONN |                             |
| 70003                      | 80003                   | 10ct            | 10ct                                    | 2.5  | 125              | 20               | 11.5                        | 1.1                 | 1.35                         | .34      | 1:1                  | 2:1          | 82.86                       |
| 70005                      | 80005                   | 20ct            | 8ct                                     | 2    | 125              | 20               | 8                           | 2.1                 | 1.28                         | .32      | 1.58:1               | 3.16:1       | 82.86                       |
| 70010                      | 80010                   | 20ct            | 20ct                                    | 5    | 125              | 20               | 8                           | 2.1                 | 2.56                         | .64      | 1:1                  | 2:1          | 82.86                       |
| 70015                      | 80015                   | 32ct            | 32ct                                    | 8    | 125              | 20               | 6.5                         | 3.52                | 4.32                         | 1.08     | 1:1                  | 2:1          | 82.86                       |
| 70020                      | 80020                   | 40ct            | 40ct                                    | 10   | 125              | 20               | 5.6                         | 4                   | 4.77                         | 1.19     | 1:1                  | 2:1          | 82.20                       |
| 70025                      | 80025                   | 48ct            | 16ct                                    | 4    | 125              | 20               | 5.2                         | 4.3                 | 2.3                          | .58      | 1.73:1               | 3.46:1       | 75.32                       |
| 70030                      | 80030                   | 50ct            | 50ct                                    | 12.5 | 125              | 20               | 5                           | 5.5                 | 6.6                          | 1.65     | 1.1                  | 2:1          | 75.32                       |
| 70035                      | 80035                   | 80ct            | 32ct                                    | 8    | 125              | 20               | 4                           | 8.5                 | 4.25                         | 1.06     | 1.58:1               | 3.16:1       | 82.20                       |
| 70040                      | 80040                   | 100ct           | 40ct                                    | 10   | 125              | 20               | 3.6                         | 12.1                | 4.85                         | 1.21     | 1.58:1               | 3.16:1       | 82.20                       |
| 70045                      | 80045                   | 100ct           | 100ct                                   | 25   | 125              | 20               | 3.6                         | 12.1                | 12                           | 3        | 1:1                  | 2:1          | 75.32                       |

|                                   |                                |                        |  |            |                         |                         |                                    |                            |                                     |                 |                             |                     |                                    |
|-----------------------------------|--------------------------------|------------------------|--|------------|-------------------------|-------------------------|------------------------------------|----------------------------|-------------------------------------|-----------------|-----------------------------|---------------------|------------------------------------|
| 70050                             | 80050                          | 120ct                  | 12.8ct   | 3.2        | 125                     | 20                      | 3.3                                | 13.2                       | 1.6                                 | .4              | 3.06:1                      | 6.12:1              | 75.32                              |
| 70055                             | 80055                          | 120ct                  | 60ct   | 15         | 125                     | 20                      | 3.3                                | 13.2                       | 7.3                                 | 1.83            | 1.41:1                      | 2.83:1              | 90.09                              |
| 70060                             | 80060                          | 120ct                  | 120ct  | 30         | 125                     | 20                      | 3.3                                | 13.2                       | 16                                  | 4               | 1:1                         | 2:1                 | 90.09                              |
| 70065                             | 80065                          | 150ct                  | 12ct   | 3          | 125                     | 20                      | 3                                  | 15                         | 1.56                                | .39             | 3.54:1                      | 7.07:1              | 87.22                              |
| 70070                             | 80070                          | 150ct                  | 50ct   | 12.5       | 125                     | 20                      | 3                                  | 15                         | 6.6                                 | 1.65            | 1.73:1                      | 3.46:1              | 90.09                              |
| 70075                             | 80075                          | 150ct                  | 100ct  | 25         | 125                     | 20                      | 3                                  | 15                         | 14.5                                | 3.63            | 1.22:1                      | 2.45:1              | 90.09                              |
| 70080                             | 80080                          | 150ct                  | 150ct  | 37.5       | 125                     | 20                      | 3                                  | 15                         | 18.3                                | 4.58            | 1:1                         | 2:1                 | 90.09                              |
| 70085                             | 80085                          | 150ct                  | 600ct  | 150        | 125                     | 20                      | 3                                  | 15                         | 72                                  | 18              | 1:2                         | 1:1                 | 90.09                              |
| 70090                             | 80090                          | 200ct                  | 200ct  | 50         | 125                     | 20                      | 2.5                                | 22                         | 25.8                                | 6.7             | 1:1                         | 2:1                 | 90.09                              |
| 70095                             | 80095                          | 300ct                  | 12ct   | 3          | 125                     | 20                      | 2                                  | 33                         | 1.56                                | .39             | 5:1                         | 10:1                | 90.09                              |
| 70100                             | 80100                          | 300ct                  | 50ct   | 12.5       | 125                     | 20                      | 2                                  | 33                         | 6.6                                 | 1.65            | 2.45:1                      | 4.9:1               | 90.09                              |
| 70105                             | 80105                          | 300ct                  | 150ct  | 37.5       | 125                     | 20                      | 2                                  | 33                         | 18.3                                | 4.58            | 1:1.41                      | 2.83:1              | 90.09                              |
| 70110                             | 80110                          | 300ct                  | 300ct  | 75         | 125                     | 20                      | 2                                  | 33                         | 40.3                                | 10.08           | 1:1                         | 2:1                 | 85.80                              |
| 70115                             | 80115                          | 300ct                  | 600ct  | 150        | 125                     | 20                      | 2                                  | 33                         | 72                                  | 18              | 1:1.41                      | 1.41:1              | 81.88                              |
| 70120                             | 80120                          | 320ct                  | 12.8ct   | 3.2        | 125                     | 20                      | 2                                  | 34                         | 1.6                                 | .4              | 5:1                         | 10:1                | 96.59                              |
| 70125                             | 80125                          | 400ct                  | 40ct   | 10         | 125                     | 20                      | 1.8                                | 49                         | 4.7                                 | 1.18            | 3.16:1                      | 6.32:1              | 96.59                              |
| 70130                             | 80130                          | 400ct                  | 120ct  | 30         | 125                     | 20                      | 1.8                                | 49                         | 16.3                                | 4.08            | 1.83:1                      | 3.65:1              | 96.59                              |
| 70135                             | 80135                          | 400ct                  | 200ct  | 50         | 125                     | 20                      | 1.8                                | 49                         | 27.3                                | 6.83            | 1.41:1                      | 2.83:1              | 96.59                              |
| 70140                             | 80140                          | 400ct                  | 400ct  | 100        | 125                     | 20                      | 1.8                                | 49                         | 49                                  | 12.25           | 1:1                         | 2:1                 | 87.83                              |
| 70145                             | 80145                          | 400ct                  | 1000ct   | 250        | 125                     | 20                      | 1.8                                | 48                         | 120                                 | 30              | 1:1.58                      | 1.26:1              | 96.59                              |
| 70150                             | 80150                          | 400ct                  | 2000ct   | 500        | 125                     | 20                      | 1.8                                | 49                         | 270                                 | 67.5            | 1:2.24                      | 1:1.12              | 96.59                              |
| 70155                             | 80155                          | 400ct                  | 4000ct   | 1000       | 125                     | 20                      | 1.8                                | 49                         | 476                                 | 119             | 1:3.16                      | 1:1.58              | 96.59                              |
| 70160                             | 80160                          | 500ct                  | 12.8ct   | 3.2        | 125                     | 20                      | 1.6                                | 54                         | 1.6                                 | 0.4             | 6.25:1                      | 12.5:1              | 87.83                              |
| 70165                             | 80165                          | 500ct                  | 16ct   | 4          | 125                     | 20                      | 1.6                                | 54                         | 2.3                                 | 0.58            | 5.6:1                       | 11.2:1              | 87.83                              |
| 70170                             | 80170                          | 500ct                  | 50ct   | 12.5       | 125                     | 20                      | 1.6                                | 54                         | 6.6                                 | 1.65            | 3.16:1                      | 6.32:1              | 87.83                              |
| 70175                             | 80175                          | 500ct                  | 150ct  | 37.5       | 125                     | 20                      | 1.6                                | 54                         | 18.3                                | 4.58            | 1.83:1                      | 3.65:1              | 87.83                              |
| 70180                             | 80180                          | 500ct                  | 500ct  | 125        | 125                     | 20                      | 1.6                                | 54                         | 65                                  | 16.3            | 1:1                         | 2:1                 | 96.59                              |
| 70185                             | 80185                          | *500ct                 | 500ct  | -          | 125                     | 20                      | 1.6                                | 54                         | 65                                  | -               | 1:1                         | -                   | 96.59                              |
| 70190                             | 80190                          | 500ct                  | 600ct  | 150        | 125                     | 20                      | 1.6                                | 54                         | 72                                  | 18              | 1:1.1                       | 1.83:1              | 96.59                              |
| 70195                             | 80195                          | 600ct                  | 12.8ct   | 3.2        | 125                     | 20                      | 1.5                                | 59                         | 1.6                                 | 0.4             | 6.85:1                      | 13.7:1              | 96.59                              |
| 70200                             | 80200                          | 600ct                  | 30ct   | 7.5        | 125                     | 20                      | 1.5                                | 59                         | 4.1                                 | 1.03            | 4.47:1                      | 8.94:1              | 87.83                              |
| 70205                             | 80205                          | 600ct                  | 48ct   | 12         | 125                     | 20                      | 1.5                                | 59                         | 5.2                                 | 1.3             | 3.54:1                      | 7.07:1              | 87.83                              |
| 70210                             | 80210                          | 600ct                  | 200ct  | 50         | 125                     | 20                      | 1.5                                | 59                         | 26.5                                | 6.63            | 1.73:1                      | 3.46:1              | 87.83                              |
| 70215                             | 80215                          | 600ct                  | 600ct  | 150        | 125                     | 20                      | 1.5                                | 59                         | 72                                  | 18              | 1:1                         | 2:1                 | 87.83                              |
| 70220                             | 80220                          | *600ct                 | 600ct  | -          | 125                     | 20                      | 1.5                                | 59                         | 72                                  | -               | 1:1                         | -                   | 96.59                              |
| 70225                             | 80225                          | 600ct                  | 1200ct   | 300        | 125                     | 20                      | 1.5                                | 59                         | 160                                 | 40              | 1:1.41                      | 1.41:1              | 87.83                              |
| 70230                             | 80230                          | 640ct                  | 12.8ct   | 3.2        | 125                     | 20                      | 1.5                                | 62                         | 1.6                                 | 0.4             | 7.07:1                      | 14.14:1             | 87.83                              |
| 70235                             | 80235                          | 700ct                  | 100ct  | 25         | 125                     | 20                      | 1.35                               | 65                         | 12                                  | 3               | 2.65:1                      | 5.29:1              | 87.83                              |
| 70240                             | 80240                          | 800ct                  | 12.8ct   | 3.2        | 125                     | 20                      | 1.3                                | 88                         | 15                                  | 4               | 7.9:1                       | 15.8:1              | 96.59                              |
| 70245                             | 80245                          | 800ct                  | 48ct   | 12         | 125                     | 20                      | 1.3                                | 88                         | 6.7                                 | 1.68            | 4.08:1                      | 8.16:1              | 90.09                              |
| 70250                             | 80250                          | 800ct                  | 800ct  | 200        | 125                     | 20                      | 1.3                                | 88                         | 106                                 | 26.5            | 1:1                         | 2:1                 | 90.09                              |
| 70255                             | 80255                          | 900ct                  | 600ct  | 150        | 125                     | 20                      | 1.2                                | 93                         | 74                                  | 18.5            | 1.22:1                      | 2.45:1              | 90.09                              |
| 70260                             | 80260                          | 1000ct                 | 12ct   | 3          | 125                     | 20                      | 1.2                                | 120                        | 1.55                                | 0.39            | 9.13:1                      | 18.3:1              | 99.14                              |
| 70265                             | 80265                          | 1000ct                 | 50ct   | 12.5       | 125                     | 20                      | 1.2                                | 120                        | 6.6                                 | 1.65            | 4.47:1                      | 8.94:1              | 99.14                              |
| 70270                             | 80270                          | 1000ct                 | 1000ct   | 250        | 125                     | 20                      | 1.2                                | 120                        | 120                                 | 30              | 1:1                         | 2:1                 | 90.09                              |
| 70275                             | 80275                          | 1060ct                 | 12.8ct   | 3.2        | 125                     | 20                      | 1.2                                | 125                        | 1.6                                 | 0.4             | 9.1:1                       | 18.2:1              | 99.14                              |
| 70280                             | 80280                          | 1200ct                 | 12.8ct   | 3.2        | 125                     | 20                      | 1                                  | 133                        | 1.6                                 | 0.4             | 9.68:1                      | 19.4:1              | 99.14                              |
| 70285                             | 80285                          | 1200ct                 | 500ct  | 125        | 125                     | 20                      | 1                                  | 133                        | 65                                  | 16.25           | 1.55:1                      | 3.1:1               | 99.14                              |
| 70290                             | 80290                          | 1200ct                 | 1200ct   | 300        | 125                     | 20                      | 1                                  | 133                        | 160                                 | 40              | 1:1                         | 2:1                 | 99.14                              |
| 70295                             | 80295                          | *1200ct                | 1200ct   | -          | 125                     | 20                      | 1                                  | 133                        | 160                                 | -               | 1:1                         | -                   | 99.14                              |
| <b>Gull Wing PICO Part Number</b> | <b>J Lead PICO Part Number</b> | <b>Prim Imped Ohms</b> | <b>Secondary Impedence Ohms Split Windings</b> |            | <b>Power Milliwatts</b> |                         | <b>Primary Unbal DC Current ma</b> | <b>Prim DC Resist Ohms</b> | <b>Secondary DC Resistance Ohms</b> |                 | <b>Turns/Ratio Prim/Sec</b> |                     | <b>Pico Prices 1-9 *** (US \$)</b> |
|                                   |                                |                        | <b>SER</b>                                     | <b>PAR</b> | <b>1KHz and higher</b>  | <b>400Hz and higher</b> |                                    |                            | <b>SER CONN</b>                     | <b>PAR CONN</b> | <b>SEC SER CONN</b>         | <b>SEC PAR CONN</b> |                                    |
| 70300                             | 80300                          | 1500ct                 | 12ct   | 3          | 125                     | 20                      | 1                                  | 180                        | 1.55                                | 0.39            | 11.2:1                      | 22.4:1              | 99.14                              |
| 70305                             | 80305                          | 1500ct                 | 500ct  | 125        | 125                     | 20                      | 1                                  | 180                        | 65                                  | 16.3            | 1.73:1                      | 3.46:1              | 90.09                              |
| 70310                             | 80310                          | *1500ct                | 600ct  | -          | 125                     | 20                      | 1                                  | 180                        | 73                                  | -               | 1.58:1                      | -                   | 90.09                              |
| 70315                             | 80315                          | *1500ct                | 1500ct   | -          | 125                     | 20                      | 1                                  | 180                        | 215                                 | -               | 1:1                         | -                   | 99.14                              |
| 70320                             | 80320                          | 1600ct                 | 12.8ct   | 3.2        | 125                     | 20                      | 1                                  | 190                        | 1.6                                 | 0.4             | 11.2:1                      | 22.4:1              | 99.14                              |

|       |       |           |          |      |     |    |      |      |      |       |        |         |        |
|-------|-------|-----------|----------|------|-----|----|------|------|------|-------|--------|---------|--------|
| 70325 | 80325 | 2000ct    | 8ct      | 2    | 125 | 20 | 0.8  | 218  | 1    | 0.25  | 15.8:1 | 31.6:1  | 99.14  |
| 70330 | 80330 | 2000ct    | 2000ct   | 500  | 125 | 20 | 0.8  | 218  | 260  | 65    | 1:1    | 2.1:1   | 99.14  |
| 70335 | 80335 | *2000ct   | 2000ct   | -    | 125 | 20 | 0.8  | 218  | 260  | -     | 1:1    | -       | 99.14  |
| 70340 | 80340 | 2000ct    | 8000ct   | 2000 | 125 | 20 | 0.8  | 218  | 830  | 207.5 | 1:2    | 1:1     | 99.14  |
| 70345 | 80345 | 2500ct    | 2500ct   | 625  | 125 | 20 | 0.75 | 280  | 280  | 70    | 1:1    | 2:1     | 96.59  |
| 70350 | 80350 | 3000ct    | 3000ct   | 725  | 125 | 20 | 0.65 | 330  | 330  | 82.5  | 1:1    | 2:1     | 96.59  |
| 70355 | 80355 | *3000ct   | 3000ct   | -    | 125 | 20 | 0.65 | 330  | 330  | -     | 1:1    | -       | 96.59  |
| 70360 | 80360 | 3600ct    | 3600ct   | 900  | 125 | 20 | 0.6  | 370  | 450  | 112.5 | 1:1    | 2:1     | 96.59  |
| 70365 | 80365 | 4000ct    | 16ct     | 4    | 125 | 20 | 0.57 | 400  | 2.3  | 0.58  | 15.8:1 | 31.6:1  | 96.59  |
| 70370 | 80370 | 4000ct    | 600ct    | 150  | 125 | 20 | 0.57 | 400  | 73   | 18.25 | 2.58:1 | 5.16:1  | 96.59  |
| 70375 | 80375 | 4000ct    | 1000ct   | 250  | 125 | 20 | 0.57 | 400  | 120  | 30    | 2:1    | 4:1     | 96.59  |
| 70380 | 80380 | *4000ct   | 8000ct   | -    | 125 | 20 | 0.57 | 400  | 1070 | -     | 1:1.41 | -       | 106.02 |
| 70385 | 80385 | 5000ct    | 500ct    | 125  | 125 | 20 | 0.5  | 540  | 65   | 16.25 | 3.16:1 | 6.32:1  | 96.59  |
| 70390 | 80390 | 5000ct    | 5000ct   | 1250 | 125 | 20 | 0.5  | 540  | 650  | 162.5 | 1:1    | 2:1     | 96.59  |
| 70395 | 80395 | 7500ct    | 50ct     | 12.5 | 125 | 20 | .5   | 835  | 6.6  | 1.65  | 12.2:1 | 24.5:1  | 106.20 |
| 70400 | 80400 | 7500ct    | 100ct    | 25   | 125 | 20 | 0.4  | 835  | 12   | 3     | 8.66:1 | 17.3:1  | 97.57  |
| 70405 | 80405 | 7500ct    | 600ct    | 150  | 125 | 20 | 0.4  | 835  | 72   | 18    | 3.54:1 | 7.07:1  | 97.57  |
| 70410 | 80410 | 7500ct    | 2500ct   | 625  | 125 | 20 | 0.4  | 835  | 280  | 70    | 1.73:1 | 3.46:1  | 97.57  |
| 70415 | 80415 | *7500ct   | 7500ct   | -    | 125 | 20 | 0.4  | 835  | 1020 | -     | 1:1    | -       | 97.57  |
| 70420 | 80420 | 8000ct    | 12.8ct   | 3.2  | 125 | 20 | 0.4  | 865  | 1.6  | 0.4   | 25:1   | 50:1    | 106.20 |
| 70425 | 80425 | 8000ct    | 1000ct   | 250  | 125 | 20 | 0.4  | 865  | 120  | 30    | 2.83:1 | 5.66:1  | 106.20 |
| 70430 | 80430 | *8000ct   | 1200ct   | -    | 125 | 20 | 0.4  | 865  | 160  | -     | 2.58:1 | -       | 106.20 |
| 70435 | 80435 | *9000ct   | 9000ct   | -    | 125 | 20 | 0.4  | 1160 | 1160 | -     | 1:1    | -       | 106.20 |
| 70440 | 80440 | 10,000ct  | 12.8ct   | 3.2  | 125 | 20 | 0.36 | 1200 | 1.6  | 0.4   | 28:1   | 56:1    | 106.20 |
| 70445 | 80445 | 10,000ct  | 16ct     | 4    | 125 | 20 | 0.36 | 1200 | 1.77 | 0.44  | 25:1   | 50:1    | 97.57  |
| 70450 | 80450 | 10,000ct  | 100ct    | 25   | 125 | 20 | 0.36 | 1200 | 12   | 3     | 10:1   | 20:1    | 97.57  |
| 70455 | 80455 | 10,000ct  | 200ct    | 50   | 125 | 20 | 0.36 | 1200 | 27   | 6.75  | 7.07:1 | 14.14:1 | 97.57  |
| 70460 | 80460 | 10,000ct  | 500ct    | 125  | 125 | 20 | 0.36 | 1200 | 65   | 16.25 | 4.47:1 | 8.94:1  | 97.57  |
| 70465 | 80465 | 10,000ct  | 600ct    | 150  | 125 | 20 | 0.36 | 1200 | 72   | 18    | 4.08:1 | 8.16:1  | 97.57  |
| 70470 | 80470 | 10,000ct  | 1000ct   | 250  | 125 | 20 | 0.36 | 1200 | 120  | 30    | 3.16:1 | 6.32:1  | 97.57  |
| 70475 | 80475 | 10,000ct  | 1200ct   | 300  | 125 | 20 | 0.36 | 1200 | 160  | 40    | 2.88:1 | 5.77:1  | 97.57  |
| 70480 | 80480 | 10,000ct  | 1500ct   | 375  | 125 | 20 | 0.36 | 1200 | 215  | 53.8  | 2.58:1 | 5.16:1  | 99.14  |
| 70485 | 80485 | 10,000ct  | 2000ct   | 500  | 125 | 20 | 0.36 | 1200 | 260  | 65    | 2.24:1 | 4.47:1  | 99.14  |
| 70490 | 80490 | 10,000ct  | 5000ct   | 1250 | 125 | 20 | 0.36 | 1200 | 650  | 162.5 | 1.41:1 | 2.83:1  | 99.14  |
| 70495 | 80495 | 10,000ct  | 7500ct   | 1875 | 125 | 20 | 0.36 | 1200 | 1020 | 255   | 1.15:1 | 2.3:1   | 99.14  |
| 70500 | 80500 | 10,000ct  | 10,000ct | 2500 | 125 | 20 | 0.36 | 1200 | 1200 | 300   | 1:1    | 2:1     | 90.09  |
| 70505 | 80505 | *10,000ct | 10,000ct | -    | 125 | 20 | 0.36 | 1200 | 1440 | -     | 1:1    | -       | 106.20 |
| 70510 | 80510 | 15,000ct  | 400ct    | 100  | 100 | 15 | 0.35 | 1420 | 43   | 10.75 | 6.12:1 | 12.24:1 | 97.57  |
| 70515 | 80515 | 15,000ct  | 500ct    | 125  | 100 | 15 | 0.35 | 1420 | 49   | 12.25 | 5.48:1 | 10.95:1 | 97.57  |
| 70520 | 80520 | 15,000ct  | 600ct    | 150  | 100 | 15 | 0.35 | 1420 | 68   | 17    | 5:1    | 10:1    | 97.57  |
| 70525 | 80525 | 15,000ct  | 10,000ct | 2500 | 100 | 15 | 0.35 | 1420 | 1100 | 275   | 1.22:1 | 2.45:1  | 97.57  |
| 70530 | 80530 | *15,000ct | 15,000ct | -    | 100 | 15 | 0.35 | 1420 | 1730 | -     | 1:1    | -       | 106.20 |
| 70535 | 80535 | 15,000ct  | 15,000ct | 3750 | 100 | 15 | 0.35 | 1420 | 1730 | 433   | 1:1    | 2:1     | 99.14  |
| 70540 | 80540 | 16,000ct  | 1000ct   | 250  | 100 | 15 | 0.35 | 1500 | 115  | 28.75 | 4:1    | 8:1     | 99.14  |

| Gull Wing PICO Part Number | J Lead PICO Part Number | Prim Imped Ohms | Secondary Impedance Ohms Split Windings |      | Power Milliwatts |                  | Primary Unbal DC Current ma | Prim DC Resist Ohms | Secondary DC Resistance Ohms |          | Turns/Ratio Prim/Sec |              | Pico Prices 1-9 *** (US \$) |
|----------------------------|-------------------------|-----------------|---|------|------------------|------------------|-----------------------------|---------------------|------------------------------|----------|----------------------|--------------|-----------------------------|
|                            |                         |                 | SER                                     | PAR  | 1KHz and higher  | 400Hz and higher |                             |                     | SER CONN                     | PAR CONN | SEC SER CONN         | SEC PAR CONN |                             |
| 70545                      | 80545                   | 20,000ct        | 500ct                                   | 125  | 100              | 15               | 0.3                         | 1600                | 60                           | 15       | 6.33:1               | 12.65:1      | 106.20                      |
| 70550                      | 80550                   | 20,000ct        | 600ct                                   | 150  | 100              | 15               | 0.3                         | 1600                | 66                           | 16.5     | 5.77:1               | 11.55:1      | 106.20                      |
| 70555                      | 80555                   | 20,000ct        | 800ct                                   | 200  | 100              | 15               | 0.3                         | 1600                | 94                           | 23.5     | 5:1                  | 10:1         | 106.20                      |
| 70560                      | 80560                   | 20,000ct        | 1000ct                                  | 250  | 100              | 15               | 0.3                         | 1600                | 106                          | 26.5     | 4.47:1               | 8.94:1       | 106.20                      |
| 70565                      | 80565                   | 20,000ct        | 5000ct                                  | 1250 | 100              | 15               | 0.3                         | 1600                | 600                          | 150      | 2:1                  | 4:1          | 106.20                      |
| 70570                      | 80570                   | 20,000ct        | 10,000ct                                | 2500 | 100              | 15               | 0.3                         | 1600                | 1100                         | 275      | 1.41:1               | 2.83:1       | 106.20                      |

\* Includes Electrostatic Shield

## INDUCTORS

All Inductors have split windings and measurements are listed for both series and parallel connections. Two values of inductance, each at a particular value of D.C. current are listed for each inductor.

| Part Number | Part Number | Inductance |              | DC CURRENT<br>ma | DC Resistance<br>OHMS | Prices 1-9***<br>(US \$) |
|-------------|-------------|------------|--------------|------------------|-----------------------|--------------------------|
| 70825       | 80825       | Series     | 10.0<br>2.75 | 0<br>2           | 2250                  | 85.73                    |
|             |             | Parallel   | 2.5<br>.65   | 0<br>4           | 560                   |                          |
| 70830       | 80830       | Series     | 5.5<br>1.5   | 0<br>2           | 1000                  | 85.73                    |
|             |             | Parallel   | 1.3<br>.40   | 0<br>4           | 250                   |                          |
| 70835       | 80835       | Series     | .85<br>.25   | 1<br>6           | 240                   | 85.73                    |
|             |             | Parallel   | .21<br>.06   | 2<br>12          | 60                    |                          |
| 70840       | 80840       | Series     | .6<br>.15    | 0<br>5           | 144                   | 85.73                    |
|             |             | Parallel   | .15<br>.04   | 0<br>10          | 36                    |                          |

\*\*Discount Prices:

- 1-9 Net;
- 10-24 less 10%;
- 25-49 less 16%;
- 50-99 less 23%;
- 100-499 less 30%

Ordering Instructions:

- No minimum.
- Net 30 days F.O.B. Pelham, NY

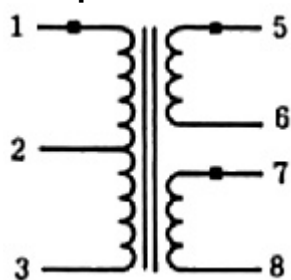
**Delivery--stock to one week for sample orders.**

## FEATURES

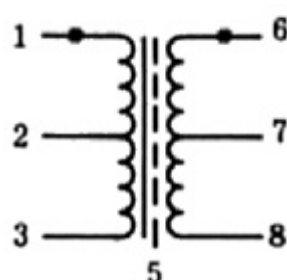
- Extreme resistance to thermal shock
- Ultra Miniature size
- PICO is approved QPL source (MIL-PRF-27)
- Magnetic shield designs available
- Electrostatic shielding can be added
- Variation of standards designs available
- Every unit in this catalog can be made with a 300 thermal cycle guarantee using PICO's special SR construction. Contact factory for details.

## Schematics

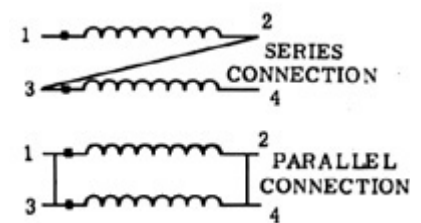
Schematics for Transformers with Split Secondaries



Schematics for Transformers with Electrostatic Shield

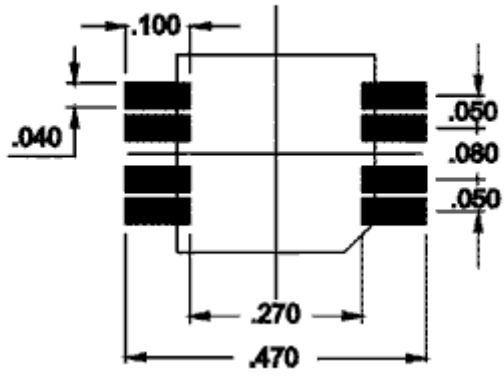


Schematics for Inductors



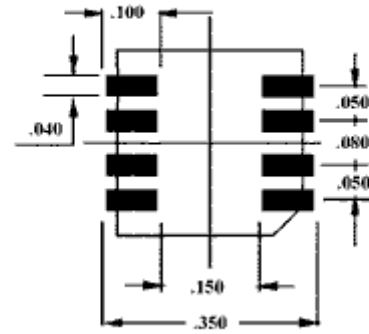
**RECOMMENDED LAND PATTERN DIMENSIONS**

**PICO 70000 SERIES.**



**RECOMMENDED LAND PATTERN DIMENSIONS**

**PICO 80000 SERIES.**



[Click Here For Thru Hole Version of the 70000 and 80000 Series](#) [3]

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