

**SMALL SIGNAL & HIGHT VOLTAGE TRANSISTORS**

| Type<br>P - p- n-p<br>N - n-p-n | Package | f <sub>T</sub> ,<br>MHz | h <sub>FE</sub> , | V <sub>CE(sat)</sub> , | V <sub>BE(sat)</sub> , | Maximum Rating         |                        |                          |      |      |
|---------------------------------|---------|-------------------------|-------------------|------------------------|------------------------|------------------------|------------------------|--------------------------|------|------|
|                                 |         |                         | min               | V<br>max               | V<br>max               | V <sub>CE</sub> ,<br>V | I <sub>C</sub> ,<br>mA | P <sub>tot</sub> ,<br>mW |      |      |
| KST1623L3 □ L7                  | N       | SOT-23                  | 200               | 60                     | 0.3                    | 1.0                    | 40                     | 100                      | 350  |      |
| SS9013D □ H                     |         |                         | 150               | 64                     |                        |                        | 20                     | 500                      | 625  |      |
| SS9014A □ D                     |         |                         | 150               | 60                     |                        |                        | 45                     | 100                      | 450  |      |
| SS8050B,C,D                     |         |                         | 100               | 85                     | 0.6                    | 1.2                    | 25                     | 1200                     | 300  |      |
| SS8550B,C,D                     |         |                         | P                 | 100                    | 85                     | 0.6                    | 1.2                    | -25                      | 1200 | 300  |
| BF620                           | N       | SOT-89                  | 90                | 50                     | 0.6                    | 0.9                    | 300                    | 50                       | 1000 |      |
| BF622                           |         |                         | 90                | 50                     | 0.6                    | 0.9                    | 250                    | 50                       | 1000 |      |
| BFN16                           |         |                         | 90                | 40                     | 0.4                    | 0.9                    | 250                    | 200                      | 1000 |      |
| BFN18                           |         |                         | 90                | 30                     | 0.5                    | 0.9                    | 300                    | 200                      | 1000 |      |
| BST39                           |         |                         | 90                | 40                     | 0.5                    | 0.9                    | 350                    | 500                      | 1000 |      |
| BST40                           |         |                         | 90                | 40                     | 0.5                    | 0.9                    | 250                    | 500                      | 1000 |      |
| FCX657                          |         |                         | 90                | 50                     | 0.5                    | 0.9                    | 300                    | 500                      | 1000 |      |
| SXTA42                          |         |                         | 90                | 40                     | 0.5                    | 0.9                    | 300                    | 500                      | 1000 |      |
| SXTA43                          |         |                         | 90                | 40                     | 0.5                    | 0.9                    | 200                    | 500                      | 1000 |      |
| MPS404                          |         |                         | P                 | 5                      | 20                     |                        |                        | -60                      | 300  | 200  |
| SS8550B,C,D                     |         |                         | N                 | TO-92                  | 100                    | 85                     | 0.6                    | 1.2                      | -25  | 1200 |
| SS8050B,C,D                     | 100     | 85                      |                   |                        | 0.6                    | 1.2                    | 25                     | 1200                     | 1000 |      |
| MPSA42                          | 50      | 40                      |                   |                        | 0.5                    | 0.9                    | 300                    | 500                      | 625  |      |
| MPSA43                          | 50      | 25                      |                   |                        | 0.5                    | 0.9                    | 200                    | 500                      | 625  |      |
| MPSA44                          | 90      | 50                      |                   |                        | 0.75                   | 0.75                   | 400                    | 300                      | 625  |      |
| 2N6515                          | 100     | 50                      |                   |                        | 1.0                    | 0.9                    | 250                    | 500                      | 800  |      |
| 2N6516                          | 100     | 45                      |                   |                        | 1.0                    | 0.9                    | 300                    | 500                      | 800  |      |
| 2N6517                          | 100     | 30                      |                   |                        | 1.0                    | 0.9                    | 350                    | 500                      | 800  |      |
| ZTX458                          | 50      | 100                     |                   |                        | 0.5                    |                        | 400                    | 300                      | 800  |      |
| ZTX658                          | 50      | 50                      |                   |                        | 0.5                    |                        | 400                    | 500                      | 800  |      |
| BF391                           | 100     | 40                      |                   |                        | 2.0                    | 2.0                    | 200                    | 500                      | 800  |      |
| BF392                           | 100     | 40                      |                   |                        | 2.0                    | 2.0                    | 250                    | 500                      | 800  |      |
| BF393                           | 100     | 40                      |                   |                        | 2.0                    | 2.0                    | 300                    | 500                      | 800  |      |
| BF420                           | 80      | 50                      |                   |                        | 0.5                    | 0.75                   | 300                    | 500                      | 800  |      |
| BF422                           | 80      | 50                      |                   |                        | 0.5                    | 0.75                   | 250                    | 500                      | 800  |      |
| BF844                           | 90      | 50                      |                   |                        | 0.75                   | 0.75                   | 400                    | 300                      | 800  |      |
| KSP42                           | 90      | 40                      |                   |                        | 0.5                    | 0.9                    | 300                    | 500                      | 800  |      |
| KSP43                           | 90      | 40                      |                   |                        | 0.5                    | 0.9                    | 200                    | 500                      | 800  |      |
| KSP44                           | 90      | 50                      |                   |                        | 0.5                    | 0.75                   | 400                    | 300                      | 800  |      |
| KSP45                           | 90      | 50                      |                   |                        | 0.5                    | 0.75                   | 350                    | 300                      | 800  |      |
| PBF259                          | 90      | 25                      |                   |                        | 1.0                    |                        | 300                    | 500                      | 800  |      |
| PBF259S                         | 90      | 60                      |                   |                        | 1.0                    |                        | 300                    | 500                      | 800  |      |
| PBF259RS                        | 80      | 60                      |                   |                        | 1.0                    |                        | 300                    | 500                      | 800  |      |
| KSC1506                         | 100     | 40                      |                   |                        | 2.0                    |                        | 300                    | 100                      | 800  |      |
| KSC2330                         | 100     | 40                      |                   |                        | 0.5                    | 0.9                    | 300                    | 100                      | 800  |      |
| KSC2340                         | 100     | 30                      |                   |                        | 0.5                    | 0.9                    | 350                    | 100                      | 800  |      |
| KSA1625                         | 90      | 30                      |                   |                        | 1.0                    | 1.2                    | 400                    | 500                      | 800  |      |
| SS9013D □ H                     | 150     | 64                      |                   |                        |                        |                        | 20                     | 500                      | 625  |      |
| SS9014A □ D                     | 150     | 60                      |                   |                        |                        |                        | 45                     | 100                      | 450  |      |