

| Industry P/N | Polarity | Package | Direct Replacement | Closest Equivalent Replacement | Process Package | Package Type | Industry P/N | Polarity | Package | Direct Replacement | Closest Equivalent Replacement | Process Package | Package Type |
|--------------|----------|---------|--------------------|--------------------------------|-----------------|--------------|--------------|----------|---------|--------------------|--------------------------------|-----------------|--------------|
| 2N5020       | P        | TO-18   | 2N5020             |                                | 8811            | TO-18        | 2N5668       | N        | TO-92   | 2N5668             |                                | 5072            | TO-92        |
| 2N5021       | P        | TO-18   | 2N5021             |                                | 8971            | TO-92        | 2N5669       | N        | TO-92   | 2N5669             |                                | 5072            | TO-92        |
| 2N5033       | P        | TO-106  | PN5033-18          |                                | 8971            | TO-92        | 2N5670       | N        | TO-92   | 2N5670             |                                | 5072            | TO-92        |
| 2N5045       | N        | TO-71   | 2N5045             |                                | 8312            | TO-71        | 2N5717       | N        | TO-92   |                    | PN3686                         | 5272            | TO-92        |
| 2N5046       | N        | TO-71   | 2N5046             |                                | 8312            | TO-71        | 2N5718       | N        | TO-92   |                    | PN4302                         | 5272            | TO-92        |
| 2N5047       | N        | TO-71   | 2N5047             |                                | 8312            | TO-71        | 2N5801       | N        | TO-92   |                    | J210                           | 9072            | TO-92        |
| 2N5078       | N        | TO-72   | 2N5078             |                                | 5025            | TO-72        | 2N5802       | N        | TO-92   |                    | J212                           | 9072            | TO-92        |
| 2N5103       | N        | TO-72   | 2N5103             |                                | 5025            | TO-72        | 2N5902       | N        | TO-78   | 2N5902             |                                | 8424            | TO-78        |
| 2N5104       | N        | TO-72   | 2N5104             |                                | 5025            | TO-72        | 2N5903       | N        | TO-78   | 2N5903             |                                | 8424            | TO-78        |
| 2N5105       | N        | TO-72   | 2N5105             |                                | 5025            | TO-72        | 2N5904       | N        | TO-78   | 2N5904             |                                | 8424            | TO-78        |
| 2N5114       | P        | TO-18   | 2N5114             |                                | 8811            | TO-18        | 2N5905       | N        | TO-78   | 2N5905             |                                | 8424            | TO-78        |
| 2N5115       | P        | TO-18   | 2N5115             |                                | 8811            | TO-18        | 2N5906       | N        | TO-78   | 2N5906             |                                | 8424            | TO-78        |
| 2N5116       | P        | TO-18   | 2N5116             |                                | 8811            | TO-18        | 2N5907       | N        | TO-78   | 2N5907             |                                | 8424            | TO-78        |
| 2N5158       | N        | TO-18   |                    | 2N5433                         | 8807            | TO-52        | 2N5908       | N        | TO-78   | 2N5908             |                                | 8424            | TO-78        |
| 2N5159       | N        | TO-18   |                    | 2N5432                         | 5807            | TO-52        | 2N5909       | N        | TO-78   | 2N5908             |                                | 8424            | TO-78        |
| 2N5163       | N        | TO-106  | PN5163-18          |                                | 5072            | TO-18        | 2N5911       | N        | TO-78   | 2N5911             |                                | 9324            | TO-78        |
| 2N5196       | N        | TO-71   | 2N5196             |                                | 8312            | TO-18        | 2N5912       | N        | TO-78   | 2N5912             |                                | 9324            | TO-78        |
| 2N5197       | N        | TO-71   | 2N5197             |                                | 8312            | TO-18        | 2N5949-18    | N        | TO-106  | 2N5949-18          |                                | 5077            | TO-92        |
| 2N5198       | N        | TO-71   | 2N5198             |                                | 8312            | TO-18        | 2N5950       | N        | TO-106  | 2N5950-18          |                                | 5077            | TO-92        |
| 2N5199       | N        | TO-71   | 2N5199             |                                | 8312            | TO-18        | 2N5951       | N        | TO-106  | 2N5951-18          |                                | 5077            | TO-92        |
| 2N5245       | N        | TO-106  | 2N5245-18          |                                | 9077            | TO-92        | 2N5952       | N        | TO-106  | 2N5952-18          |                                | 5077            | TO-92        |
| 2N5246       | N        | TO-106  | 2N5246-18          |                                | 9077            | TO-92        | 2N5953       | N        | TO-106  | 2N5953-18          |                                | 5077            | TO-92        |
| 2N5247       | N        | TO-106  | 2N5247-18          |                                | 9077            | TO-92        | 2N6483       | N        | TO-71   | 2N6483             |                                | 9512            | TO-71        |
| 2N5248       | N        | TO-92   | 2N5248             |                                | 5074            | TO-92        | 2N6484       | N        | TO-71   | 2N6484             |                                | 9512            | TO-71        |
| 2N5358       | N        | TO-72   | 2N5358             |                                | 5525            | TO-72        | 2N6485       | N        | TO-71   | 2N6485             |                                | 9512            | TO-71        |
| 2N5359       | N        | TO-72   | 2N5359             |                                | 5525            | TO-72        | 2SK11        | N        | TO-72   |                    | 2N3459                         | 5202            | TO-18        |
| 2N5360       | N        | TO-72   | 2N5360             |                                | 5525            | TO-72        | 2SK12        | N        | TO-72   |                    | 2N4340                         | 5202            | TO-18        |
| 2N5361       | N        | TO-72   | 2N5361             |                                | 5525            | TO-72        | 2SK13        | N        | TO-72   |                    | 2N4340                         | 5202            | TO-18        |
| 2N5362       | N        | TO-72   | 2N5362             |                                | 5525            | TO-72        | 2SK15        | N        | TO-72   |                    | 2N4340                         | 5202            | TO-18        |
| 2N5363       | N        | TO-72   | 2N5363             |                                | 5525            | TO-72        | 2SK19        | N        | TO-106  |                    | 2N5485-18                      | 5072            | TO-92        |
| 2N5364       | N        | TO-72   | 2N5364             |                                | 5525            | TO-72        | 2SK30        | N        | TO-92   |                    | PN4304                         | 5272            | TO-92        |
| 2N5397       | N        | TO-72   | 2N5397             |                                | 9025            | TO-72        | 2SK37        | N        | B-69    |                    | 2N5484                         | 5072            | TO-92        |
| 2N5398       | N        | TO-72   | 2N5398             |                                | 9025            | TO-72        | 2SK48        | N        | TO-72   |                    | 2N3686                         | 5225            | TO-72        |
| 2N5432       | N        | TO-18   | 2N5432             |                                | 5807            | TO-72        | 2SK68        | N        | TO-92   |                    | PF5101                         | 5172            | TO-92        |
| 2N5433       | N        | TO-18   | 2N5433             |                                | 5807            | TO-72        | 3SK22        | N        | TO-72   |                    | 2N5078                         | 5025            | TO-72        |
| 2N5434       | N        | TO-18   | 2N5434             |                                | 5807            | TO-72        | 3SK23        | N        | TO-72   |                    | 2N5397                         | 9025            | TO-72        |
| 2N5452       | N        | TO-71   | 2N5452             |                                | 8312            | TO-71        | 3SK28        | N        | TO-72   |                    | 2N5078                         | 5025            | TO-72        |
| 2N5453       | N        | TO-71   | 2N5453             |                                | 8312            | TO-71        | A5T3821      | N        | TO-92   | 2N3821             |                                | 5525            | TO-72        |
| 2N5454       | N        | TO-71   | 2N5454             |                                | 8312            | TO-71        | A5T3822      | N        | TO-92   | 2N3822             |                                | 5525            | TO-72        |
| 2N5457       | N        | TO-92   | 2N5457             |                                | 5572            | TO-92        | A5T3823      | N        | TO-92   | 2N3823             |                                | 5029            | TO-72        |
| 2N5458       | N        | TO-92   | 2N5458             |                                | 5572            | TO-92        | A5T3824      | N        | TO-92   | 2N3824             |                                | 5525            | TO-72        |
| 2N5459       | N        | TO-92   | 2N5459             |                                | 5572            | TO-92        | A5T5460      | P        | TO-92   | 2N5460             |                                | 8971            | TO-92        |
| 2N5460       | P        | TO-92   | 2N5460             |                                | 8971            | TO-92        | A5T5461      | P        | TO-92   | 2N5461             |                                | 8971            | TO-92        |
| 2N5461       | P        | TO-92   | 2N5461             |                                | 8971            | TO-92        | A5T5462      | P        | TO-92   | 2N5462             |                                | 8971            | TO-92        |
| 2N5462       | P        | TO-92   | 2N5462             |                                | 8971            | TO-92        | BC264A       | N        | TO-92   | BC264A             |                                | 5077            | TO-92        |
| 2N5471       | P        | TO-72   |                    | 2N5020                         | 8911            | TO-18        | BC264B       | N        | TO-92   | BC264B             |                                | 5077            | TO-92        |
| 2N5472       | P        | TO-72   |                    | 2N5020                         | 8911            | TO-18        | BC264C       | N        | TO-92   | BC264C             |                                | 5077            | TO-92        |
| 2N5473       | P        | TO-72   |                    | 2N5020                         | 8911            | TO-18        | BC264D       | N        | TO-92   | BC264D             |                                | 5077            | TO-92        |
| 2N5474       | P        | TO-72   |                    | 2N5020                         | 8911            | TO-18        | BF244A       | N        | TO-92   | BF244A             |                                | 5074            | TO-92        |
| 2N5475       | P        | TO-72   |                    | 2N5020                         | 8911            | TO-18        | BF244B       | N        | TO-92   | BF244B             |                                | 5074            | TO-92        |
| 2N5476       | P        | TO-72   |                    | 2N5020                         | 8911            | TO-18        | BF244C       | N        | TO-92   | BF244C             |                                | 5074            | TO-92        |
| 2N5484       | N        | TO-92   | 2N5484             |                                | 5072            | TO-92        | BF245A       | N        | TO-92   | BF245A             |                                | 5077            | TO-92        |
| 2N5485       | N        | TO-92   | 2N5485             |                                | 5072            | TO-92        | BF245B       | N        | TO-92   | BF245B             |                                | 5077            | TO-92        |
| 2N5486       | N        | TO-92   | 2N5486             |                                | 5072            | TO-92        | BF245C       | N        | TO-92   | BF245C             |                                | 5077            | TO-92        |
| 2N5515       | N        | TO-71   | 2N5515             |                                | 9512            | TO-71        | BF246A       | N        | TO-92   | BF246A             |                                | 5174            | TO-92        |
| 2N5516       | N        | TO-71   | 2N5516             |                                | 9512            | TO-71        | BF246B       | N        | TO-92   | BF246B             |                                | 5174            | TO-92        |
| 2N5517       | N        | TO-71   | 2N5517             |                                | 9512            | TO-71        | BF246C       | N        | TO-92   | BF246C             |                                | 5174            | TO-92        |
| 2N5518       | N        | TO-71   | 2N5518             |                                | 9512            | TO-71        | BF247A       | N        | TO-92   | BF247A             |                                | 5177            | TO-92        |
| 2N5519       | N        | TO-71   | 2N5519             |                                | 9512            | TO-71        | BF247B       | N        | TO-92   | BF247B             |                                | 5177            | TO-92        |
| 2N5520       | N        | TO-71   | 2N5520             |                                | 9512            | TO-71        | BF247C       | N        | TO-92   | BF247C             |                                | 5177            | TO-92        |
| 2N5521       | N        | TO-71   | 2N5521             |                                | 9512            | TO-71        | BF256A       | N        | TO-92   | BF256A             |                                | 5077            | TO-92        |
| 2N5522       | N        | TO-71   | 2N5522             |                                | 9512            | TO-71        | BF256B       | N        | TO-92   | BF256B             |                                | 5077            | TO-92        |
| 2N5523       | N        | TO-71   | 2N5523             |                                | 9512            | TO-71        | BF256C       | N        | TO-92   | BF256C             |                                | 5077            | TO-92        |
| 2N5524       | N        | TO-71   | 2N5524             |                                | 9512            | TO-71        | BFW10        | N        | TO-72   |                    | 2N4224                         | 5025            | TO-72        |
| 2N5545       | N        | TO-71   | 2N5545             |                                | 8312            | TO-71        | BFW11        | N        | TO-72   |                    | 2N5558                         | 5025            | TO-72        |
| 2N5546       | N        | TO-71   | 2N5546             |                                | 8312            | TO-71        | BFW61        | N        | TO-72   |                    | 2N4224                         | 5025            | TO-72        |
| 2N5547       | N        | TO-71   | 2N5547             |                                | 8312            | TO-71        | BSV78        | N        | TO-18   |                    | 2N4856                         | 5102            | TO-18        |
| 2N5549       | N        | TO-72   |                    | 2N5397                         | 9025            | TO-72        | BSV79        | N        | TO-18   |                    | 2N4857                         | 5102            | TO-18        |
| 2N5555       | N        | TO-92   | 2N5555             |                                | 5072            | TO-92        | BSV80        | N        | TO-18   |                    | 2N4858                         | 5102            | TO-18        |
| 2N5556       | N        | TO-72   | 2N5556             |                                | 5025            | TO-72        | E101         | N        | TO-106  | J201-18            |                                | 5272            | TO-92        |
| 2N5557       | N        | TO-72   | 2N5557             |                                | 5025            | TO-72        | E102         | N        | TO-106  | J202-18            |                                | 5272            | TO-92        |
| 2N5558       | N        | TO-72   | 2N5558             |                                | 5025            | TO-72        | E103         | N        | TO-106  | J203-18            |                                | 5272            | TO-92        |
| 2N5561       | N        | TO-71   | 2N5561             |                                | 9812            | TO-71        | E106         | N        | TO-106  |                    | J108-18                        | 5872            | TO-92        |
| 2N5562       | N        | TO-71   | 2N5562             |                                | 9812            | TO-71        | E107         | N        | TO-106  |                    | J108-18                        | 5872            | TO-92        |
| 2N5563       | N        | TO-71   | 2N5563             |                                | 9812            | TO-71        | E108         | N        | TO-106  | J108-18            |                                | 5872            | TO-92        |
| 2N5564       | N        | TO-71   | 2N5564             |                                | 9812            | TO-71        | E109         | N        | TO-106  | J109-18            |                                | 5872            | TO-92        |
| 2N5565       | N        | TO-71   | 2N5565             |                                | 9812            | TO-71        | E110         | N        | TO-106  | J110-18            |                                | 5872            | TO-92        |
| 2N5566       | N        | TO-71   | 2N5566             |                                | 9812            | TO-71        | E111         | N        | TO-106  | J111-18            |                                | 5172            | TO-92        |
| 2N5592       | N        | TO-72   |                    | PN5163-18                      | 5072            | TO-92        | E112         | N        | TO-106  | J112-18            |                                | 5172            | TO-92        |
| 2N5593       | N        | TO-72   |                    | PN5163-18                      | 5072            | TO-92        | E113         | N        | TO-106  | J113-18            |                                | 5172            | TO-92        |
| 2N5594       | N        | TO-72   |                    | PN5163-18                      | 5072            | TO-92        | E114         | N        | TO-106  | J114-18            |                                | 9072            | TO-92        |
| 2N5638       | N        | TO-92   | 2N5638             |                                | 5172            | TO-92        | E174         | N        | TO-106  | J174-18            |                                | 8874            | TO-92        |
| 2N5639       | N        | TO-92   | 2N5639             |                                | 5172            | TO-92        | E175         | N        | TO-106  | J175-18            |                                | 8874            | TO-92        |
| 2N5640       | N        | TO-92   | 2N5640             |                                | 5172            | TO-92        | E176         | N        | TO-106  | J176-18            |                                | 8874            | TO-92        |
| 2N5653       | N        | TO-92   | 2N5653             |                                | 5172            | TO-92        | E177         | N        | TO-106  | J177-18            |                                | 8874            | TO-92        |
| 2N5654       | N        | TO-92   | 2N5654             |                                | 5172            | TO-92        | E201         | N        | TO-106  | J201-18            |                                | 5272            | TO-92        |

# JFET Selection Guide



## RF, VHF, UHF AMPLIFIERS

## N-Channel JFETs

| Type No. | Case Style | BV <sub>GSS</sub><br>(V) @ I <sub>G</sub><br>Min (μA) |    | I <sub>GSS</sub><br>(nA) @ V <sub>DG</sub><br>Max (V) |    | V <sub>p</sub><br>(V) @ V <sub>DS</sub><br>I <sub>D</sub> (nA) |     |     | I <sub>DSS</sub><br>(mA) @ V <sub>DS</sub><br>(V) |     |    | R <sub>e</sub> Y <sub>fs</sub><br>(mmho) @ Freq<br>Min (MHz) |      | R <sub>e</sub> (Y <sub>os</sub> )<br>(μmho) @ f<br>Max (MHz) |     | C <sub>iss</sub><br>(pF) @ V <sub>DS</sub><br>V <sub>GS</sub> (V) |     |    | C <sub>rss</sub><br>(pF) @ V <sub>DS</sub><br>V <sub>GS</sub> (V) |     |     | NF<br>(dB) @ R <sub>G</sub> = 1k<br>Freq (MHz) |      | Process No. | Pkg. No. |    |
|----------|------------|-------------------------------------------------------|----|-------------------------------------------------------|----|----------------------------------------------------------------|-----|-----|---------------------------------------------------|-----|----|--------------------------------------------------------------|------|--------------------------------------------------------------|-----|-------------------------------------------------------------------|-----|----|-------------------------------------------------------------------|-----|-----|------------------------------------------------|------|-------------|----------|----|
| 2N3819   | TO-92      | 25                                                    | 1  | 2                                                     | 15 | 8                                                              | 15  | 2   | 2                                                 | 20  | 15 | 1.6                                                          | 100  |                                                              | 8   | 15                                                                | 0   | -4 | 15                                                                | 0   |     |                                                | 50   | 94          |          |    |
| 2N3823   | TO-72      | 30                                                    | 1  | 0.5                                                   | 20 | 8                                                              | 15  | 0.5 | 4                                                 | 20  | 15 | 3.2                                                          | 200  | 200                                                          | 6   | 15                                                                | 0   | -2 | 15                                                                | 0   | 2.5 | 100                                            | 50   | 25          |          |    |
| 2N4223   | TO-72      | 30                                                    | 10 | 0.25                                                  | 20 | 0.1                                                            | 8   | 15  | 0.25                                              | 3   | 18 | 15                                                           | 2.7  | 200                                                          | 200 | 6                                                                 | 15  | 0  | -2                                                                | 15  | 0   | 5                                              | 200  | 50          | 25       |    |
| 2N4224   | TO-72      | 30                                                    | 10 | 0.5                                                   | 20 | 0.1                                                            | 8   | 15  | 0.5                                               | 2   | 20 | 15                                                           | 1.7  | 200                                                          | 200 | 6                                                                 | 15  | 0  | 2                                                                 | 15  | 0   |                                                |      | 50          | 25       |    |
| 2N4416   | TO-72      | 30                                                    | 1  | 0.1                                                   | 20 |                                                                | 6   | 15  | 1                                                 | 5   | 15 | 15                                                           | 4    | 400                                                          | 100 | 400                                                               | 4   | 15 | 0                                                                 | 0.8 | 15  | 0                                              | 4    | 400         | 50       | 25 |
| 2N4416A  | TO-72      | 35                                                    | 1  | 0.1                                                   | 20 | 2.5                                                            | 6   | 15  | 1                                                 | 5   | 15 | 15                                                           | 4    | 400                                                          | 100 | 400                                                               | 4   | 15 | 0                                                                 | 0.8 | 15  | 0                                              | 4    | 400         | 50       | 25 |
| 2N5078   | TO-72      | 30                                                    | 1  | 0.25                                                  | 20 | 0.5                                                            | 8   | 15  |                                                   | 4   | 25 | 15                                                           | 4    | 200                                                          | 150 | 200                                                               | 6   | 15 | 0                                                                 | 2   | 15  | 0                                              | 3    | 200         | 50       | 25 |
| 2N5245   | TO-92      | 30                                                    | 1  | 1                                                     | 20 | 1                                                              | 6   | 15  | 10                                                | 5   | 15 | 15                                                           | 4    | 400                                                          | 100 | 400                                                               | 4.5 | 15 | 0                                                                 | 1   | 15  | 0                                              | 4    | 400         | 90       | 97 |
| 2N5246   | TO-92      | 30                                                    | 1  | 1                                                     | 20 | 0.5                                                            | 4   | 15  | 10                                                | 1.5 | 7  | 15                                                           | 2.5  | 400                                                          | 100 | 400                                                               | 4.5 | 15 | 0                                                                 | 1   | 15  | 0                                              |      |             | 90       | 97 |
| 2N5247   | TO-92      | 30                                                    | 1  | 1                                                     | 20 | 1.5                                                            | 8   | 15  | 10                                                | 8   | 24 | 15                                                           | 4    | 400                                                          | 150 | 400                                                               | 4.5 | 15 | 0                                                                 | 1   | 15  | 0                                              |      |             | 90       | 97 |
| 2N5248   | TO-92      | 30                                                    | 1  | 5                                                     | 20 | 1                                                              | 8   | 15  | 10                                                | 4   | 20 | 15                                                           | 3    | 200                                                          | 200 | 200                                                               | 6   | 15 | 0                                                                 | 2   | 15  | 0                                              | 50   | 94          |          |    |
| 2N5397   | TO-72      | 25                                                    | 1  | 0.1                                                   | 15 | 1                                                              | 6   | 10  | 1                                                 | 10  | 30 | 10                                                           | 5.5  | 450                                                          | 200 | 450                                                               | 5   | 10 | 10 mA                                                             | 1.2 | 10  | 10 mA                                          | 3.5  | 450         | 90       | 29 |
| 2N5398   | TO-72      | 25                                                    | 1  | 0.1                                                   | 15 | 1                                                              | 6   | 10  | 1                                                 | 5   | 40 | 10                                                           | 5.0  | 450                                                          | 400 | 450                                                               | 5.5 | 10 | 0                                                                 | 1.3 | 10  | 0                                              | 3.2  | 450         | 90       | 29 |
| 2N5484   | TO-92      | 25                                                    | 1  | 1                                                     | 20 | 0.3                                                            | 3   | 15  | 10                                                | 1   | 5  | 15                                                           | 2.5  | 100                                                          | 75  | 100                                                               | 5   | 15 | 0                                                                 | 1   | 15  | 0                                              | 3    | 100         | 50       | 92 |
| 2N5485   | TO-92      | 25                                                    | 1  | 1                                                     | 20 | 1                                                              | 4   | 15  | 10                                                | 4   | 10 | 15                                                           | 3    | 400                                                          | 100 | 400                                                               | 5   | 15 | 0                                                                 | 1   | 15  | 0                                              | 4    | 400         | 50       | 92 |
| 2N5486   | TO-92      | 25                                                    | 1  | 1                                                     | 20 | 2                                                              | 6   | 15  | 10                                                | 8   | 20 | 15                                                           | 3.5  | 400                                                          | 100 | 400                                                               | 5   | 15 | 0                                                                 | 1   | 15  | 0                                              | 4    | 400         | 50       | 92 |
| 2N5668   | TO-92      | 25                                                    | 10 | 2                                                     | 15 | 0.2                                                            | 4   | 14  | 10                                                | 1   | 5  | 15                                                           | 1    | 100                                                          | 50  | 100                                                               | 7   | 15 | 0                                                                 | 3   | 15  | 0                                              | 2.5  | 100         | 50       | 92 |
| 2N5669   | TO-92      | 25                                                    | 10 | 2                                                     | 15 | 1                                                              | 6   | 15  | 10                                                | 4   | 10 | 15                                                           | 1.6  | 100                                                          | 100 | 100                                                               | 7   | 15 | 0                                                                 | 3   | 15  | 0                                              | 2.5  | 100         | 50       | 92 |
| 2N5670   | TO-92      | 25                                                    | 10 | 2                                                     | 15 | 2                                                              | 8   | 15  | 10                                                | 8   | 20 | 15                                                           | 2.5  | 100                                                          | 150 | 100                                                               | 7   | 15 | 0                                                                 | 3   | 15  | 0                                              | 2.5  | 100         | 50       | 92 |
| 2N5949   | TO-92      | 300                                                   | 1  | 1                                                     | 15 | 3                                                              | 7   | 15  | 100                                               | 12  | 18 | 15                                                           | 3.0  | 100                                                          | 75  | 100                                                               | 6   | 15 | 0                                                                 | 2   | 15  | 0                                              | 5    | 100         | 50       | 97 |
| 2N5950   | TO-92      | 30                                                    | 1  | 1                                                     | 15 | 2.5                                                            | 6   | 15  | 100                                               | 10  | 15 | 15                                                           | 3.0  | 100                                                          | 75  | 100                                                               | 6   | 15 | 0                                                                 | 2   | 15  | 0                                              | 5    | 100         | 50       | 97 |
| 2N5951   | TO-92      | 30                                                    | 1  | 1                                                     | 15 | 2                                                              | 5   | 15  | 100                                               | 7   | 13 | 15                                                           | 3.0  | 100                                                          | 75  | 100                                                               | 6   | 15 | 0                                                                 | 2   | 15  | 0                                              | 5    | 100         | 50       | 97 |
| 2N5952   | TO-92      | 30                                                    | 1  | 1                                                     | 15 | 1.3                                                            | 3.5 | 15  | 100                                               | 4   | 8  | 15                                                           | 1.0  | 100                                                          | 75  | 100                                                               | 6   | 15 | 0                                                                 | 2   | 15  | 0                                              | 5    | 100         | 50       | 97 |
| 2N5953   | TO-92      | 30                                                    | 1  | 1                                                     | 15 | 0.8                                                            | 3   | 15  | 100                                               | 2.5 | 5  | 15                                                           | 1.0  | 100                                                          | 50  | 100                                                               | 6   | 15 | 0                                                                 | 2   | 15  | 0                                              | 5    | 100         | 50       | 97 |
| J300     | TO-92      | 25                                                    | 1  | 0.5                                                   | 15 | 1                                                              | 6   | 10  | 1                                                 | 6   | 30 | 10                                                           | 4.5  | 0.001                                                        | 200 | 0.001                                                             | 5.5 | 10 | 5 mA                                                              | 1.7 | 10  | 5 mA                                           | 12   | 100         | 90       | 92 |
| J304     | TO-92      | 30                                                    | 1  | 0.1                                                   | 20 | 2                                                              | 6   | 15  | 1                                                 | 5   | 15 | 15                                                           | 14.2 | 400                                                          | 180 | 100                                                               | 13  | 15 | 0                                                                 | 1.8 | 15  | 0                                              | 14   | 400         | 50       | 92 |
| J305     | TO-92      | 30                                                    | 1  | 0.1                                                   | 20 | 0.5                                                            | 3   | 15  | 1                                                 | 1   | 8  | 15                                                           | 13.0 | 400                                                          | 180 | 100                                                               | 13  | 15 | 0                                                                 | 1.8 | 15  | 0                                              | 14   | 400         | 50       | 92 |
| J308     | TO-92      | 25                                                    | 1  | 1                                                     | 15 | 1                                                              | 6.5 | 10  | 1                                                 | 12  | 60 | 10                                                           | 8    | 0.001                                                        | 200 | 0.001                                                             | 7.5 | 0  | -10                                                               | 2.5 | 0   | -10                                            | 11.5 | 100         | 92       | 92 |
| J309     | TO-92      | 25                                                    | 1  | 1                                                     | 15 | 1                                                              | 4.0 | 10  | 1                                                 | 12  | 30 | 10                                                           | 10   | 0.001                                                        | 200 | 0.001                                                             | 7.5 | 0  | -10                                                               | 2.5 | 0   | -10                                            | 11.5 | 100         | 92       | 92 |
| J310     | TO-92      | 25                                                    | 1  | 1                                                     | 15 | 2                                                              | 6.5 | 10  | 1                                                 | 24  | 60 | 10                                                           | 8    | 0.001                                                        | 200 | 0.001                                                             | 7.5 | 0  | -10                                                               | 2.5 | 0   | -10                                            | 11.5 | 100         | 92       | 92 |