



SWITCHES

Datasheet Live

P-Channel JFETs

| Type No. | Case Style | BV <sub>GSS</sub><br>BV <sub>GDO</sub><br>(V) @ I <sub>G</sub> |         | I <sub>GSS</sub><br>(nA) @ V <sub>DG</sub> |         | I <sub>D(off)</sub><br>(nA) @ V <sub>DS</sub> V <sub>GS</sub> |         |     | V <sub>p</sub><br>(V) @ V <sub>DS</sub> I <sub>D</sub> |      |     | I <sub>DSS</sub><br>(mA) @ V <sub>DS</sub> |     | r <sub>ds</sub><br>(Ω) @ I <sub>D</sub> |          | C <sub>iss</sub><br>(pF) @ V <sub>DS</sub> V <sub>GS</sub> |      |         | C <sub>rss</sub><br>(pF) @ V <sub>DS</sub> V <sub>GS</sub> |     |     | t <sub>on</sub><br>(ns) | t <sub>off</sub><br>(ns) | Process No. | Pkg. No. |    |    |
|----------|------------|--|---------|--|---------|---|---------|-----|--|------|-----|--|-----|---|----------|--|------|---------|--|-----|-----|-------------------------|--------------------------|-------------|----------|----|----|
|          |            | Min (μA)   | Max (V) | Max (V)                                    | Max (V) | Max (V)   | Max (V) | Min | Max  | (V)  | Min | Max  | (V) | Max (mA)                                | Max (mA) | Max (V)  | (V)  | Max (V) | (V)  | Max | Max |                         |                          |             |          |    |    |
| 2N5018   | TO-18      | 30   | 1       | 2  | 15      | 10  | -15     | 12  | 10   | -15  | 1   | 10   | 20  | 75                                      | 45       | -15  | 0    | 10      | 0  | 12  | 35  | 65                      | 88                       | 11          |          |    |    |
| 2N5019   | TO-18      | 30   | 1       | 2  | 15      | 10  | -15     | 7   | 5  | -15  | 1   | 5  | 20  | 150                                     | 45       | -15  | 0    | 10      | 0  | 7   | 90  | 125                     | 88                       | 11          |          |    |    |
| 2N5114   | TO-18      | 30   | 1       | 0.5  | 20      | 0.5   | -15     | 12  | 5  | 10   | -15 | 0.001                                      | 30  | 90                                      | 18       | 75   | 1    | 25      | -15  | 0   | 7   | 0                       | 12                       | 16          | 21       | 88 | 11 |
| 2N5115   | TO-18      | 30   | 1       | 0.5  | 20      | 0.5   | -15     | 7   | 3  | 6    | -15 | 0.001                                      | 16  | 60                                      | 15       | 100  | 1    | 25      | -15  | 0   | 7   | 0                       | 7                        | 30          | 38       | 88 | 11 |
| 2N5116   | TO-18      | 30   | 1       | 0.5  | 20      | 0.5   | -15     | 5   | 1  | 4    | -15 | 0.001                                      | 5   | 25                                      | 15       | 150  | 1    | 25      | -15  | 0   | 7   | 0                       | 5                        | 42          | 60       | 88 | 11 |
| J174     | TO-92      | 30   | 1       | 1  | 20      | 1   | -15     | 10  | 5  | 10   | -15 | 0.01                                       | 20  | 100                                     | 15       | 85   | 1    | 11      | 0  | 10  | 5.5 | 0                       | 10                       | 2           | 5        | 88 | 94 |
| J175     | TO-92      | 30   | 1       | 1  | 20      | 1   | -15     | 10  | 3  | 6    | -15 | 0.01                                       | 7   | 60                                      | 15       | 125  | 0.5  | 11      | 0  | 10  | 5.5 | 0                       | 10                       | 5           | 10       | 88 | 94 |
| J176     | TO-92      | 30   | 1       | 1  | 20      | 1   | -15     | 10  | 1  | 4    | -15 | 0.01                                       | 2   | 25                                      | 15       | 250  | 0.25 | 11      | 0  | 10  | 5.5 | 0                       | 10                       | 15          | 15       | 88 | 94 |
| J177     | TO-92      | 30   | 1       | 1  | 20      | 1   | -15     | 10  | 0.8  | 2.25 | -15 | 0.01                                       | 1.5 | 20                                      | 15       | 300  | 0.1  | 11      | 0  | 10  | 5.5 | 0                       | 10                       | 20          | 20       | 88 | 94 |
| P1086    | TO-92      | 30   | 1       | 2  | 15      | 10  | -15     | 12  |  | 10   | -15 | 1  | 10  | 20                                      | 75       | 1  | 45   | -15     | 0  | 10  | 0   | 12                      | 35                       | 65          | 88       | 92 |    |
| P1087    | TO-92      | 30   | 1       | 2  | 15      | 10  | -15     | 7   |  | 5    | -15 | 1  | 5   | 20                                      | 150      | 1  | 45   | -15     | 0  | 10  | 0   | 7                       | 90                       | 125         | 88       | 92 |    |

