

# SELECTION TABLES

**TABLE 2: P-CHANNEL SMALL SIGNAL MOSFETS**

| Part number | $BV_{DSS}$ | $I_D$ | $I_{DM}$ | $V_{GS(th)}$ |      |             | $R_{DS(on)}$ |             | $V_{GS}$ | $P_D$ | Package |
|-------------|------------|-------|----------|--------------|------|-------------|--------------|-------------|----------|-------|---------|
|             | V          | mA    | A        | Min.         | Max. | at $I_D$ mA | Max.         | at $I_D$ mA | V        | W     |         |
| ZVP0545A    | -450       | -45   | -0.4     | -1.5         | -4.5 | -1          | 150          | -50         | -10      | 0.7   | E-line  |
| ZVP0545B    | -450       | -100  | -0.4     | -1.5         | -4.5 | -1          | 150          | -50         | -10      | 5     | TO-39   |
| ZVP0540A    | -400       | -45   | -0.4     | -1.5         | -4.5 | -1          | 150          | -50         | -10      | 0.7   | E-line  |
| ZVP0540B    | -400       | -100  | -0.4     | -1.5         | -4.5 | -1          | 150          | -50         | -10      | 5     | TO-39   |
| ZVP0535A    | -350       | -50   | -0.48    | -1.5         | -4.5 | -1          | 100          | -50         | -10      | 0.7   | E-line  |
| ZVP0535B    | -350       | -120  | -0.48    | -1.5         | -4.5 | -1          | 100          | -50         | -10      | 5     | TO-39   |
| ZVP2120A    | -200       | -120  | -1.2     | -1.5         | -3.5 | -1          | 25           | -150        | -10      | 0.7   | E-line  |
| ZVP2120B    | -200       | -300  | -1.2     | -1.5         | -3.5 | -1          | 25           | -150        | -10      | 5     | TO-39   |
| ZVP0120A    | -200       | -110  | -1       | -1.5         | -3.5 | -1          | 32           | -125        | -10      | 0.7   | E-line  |
| ZVP0120B    | -200       | -250  | -1       | -1.5         | -3.5 | -1          | 32           | -125        | -10      | 5     | TO-39   |
| ZVP1320A    | -200       | -70   | -0.4     | -1.5         | -3.5 | -1          | 80           | -50         | -10      | 0.625 | E-line  |
| ZVP1320B    | -200       | -100  | -0.4     | -1.5         | -3.5 | -1          | 80           | -50         | -10      | 5     | TO-39   |
| ZVP2110A*   | -100       | -230  | -3       | -1.5         | -3.5 | -1          | 8            | -375        | -10      | 0.7   | E-line  |
| ZVP2110B*   | -100       | -600  | -3       | -1.5         | -3.5 | -1          | 8            | -375        | -10      | 5     | TO-39   |
| ZVP3310A    | -100       | -140  | -1.2     | -1.5         | -3.5 | -1          | 20           | -150        | -10      | 0.625 | E-line  |
| ZVP3310B    | -100       | -300  | -1.2     | -1.5         | -3.5 | -1          | 20           | -150        | -10      | 5     | TO-39   |
| ZVP2106A*   | -60        | -280  | -4       | -1.5         | -3.5 | -1          | 5            | -500        | -10      | 0.7   | E-line  |
| ZVP2106B*   | -60        | -760  | -4       | -1.5         | -3.5 | -1          | 5            | -500        | -10      | 5     | TO-39   |
| ZVP3306A    | -60        | -160  | -1.6     | -1.5         | -3.5 | -1          | 14           | -200        | -10      | 0.625 | E-line  |
| ZVP3306B    | -60        | -400  | -1.6     | -1.5         | -3.5 | -1          | 14           | -200        | -10      | 5     | TO-39   |
| ZVP4105A†   | -50        | -175  | -0.52    | -0.8         | -2.0 | -1          | 10           | -100        | -5       | 0.625 | E-line  |
| BS250P      | -45        | -230  | -3       | -1           | -3.5 | -1          | 14           | -200        | -10      | 0.7   | E-line  |

\* BS-CECC approved    †New product information

**TABLE 3: LOW THRESHOLD MOSFETS**

| Part number | BV <sub>DSS</sub> | I <sub>D</sub> | I <sub>DM</sub> | V <sub>GS(th)</sub> |      |                   | R <sub>DS(on)</sub>    |                   |    | P <sub>D</sub> | Package |
|-------------|-------------------|----------------|-----------------|---------------------|------|-------------------|------------------------|-------------------|----|----------------|---------|
|             | V                 | mA             | A               | Min.                | Max. | I <sub>D</sub> mA | Ω at I <sub>D</sub> mA | V <sub>GS</sub> V | W  |                |         |
| N-channel   |                   |                |                 |                     |      |                   |                        |                   |    |                |         |
| ZVNL535A    | 350               | 90             | 0.8             | 0.5                 | 1.5  | 1                 | 40                     | 50                | 3  | 0.7            | E-line  |
| ZVNL120A    | 200               | 180            | 2               | 0.5                 | 1.5  | 1                 | 10                     | 125               | 3  | 0.7            | E-line  |
| ZVNL110A†   | 100               | 320            | 6               | 0.75                | 1.5  | 1                 | 3.5                    | 200               | 5  | 0.7            | E-line  |
| ZVN4206A    | 60                | 600            | 8               | 1.3                 | 3    | 1                 | 1.5                    | 500               | 5  | 0.7            | E-line  |
| BSS138†     | 50                | 200            | 0.8             | 0.5                 | 1.5  | 1                 | 3.5                    | 200               | 5  | 0.36           | SOT-23  |
| P-channel   |                   |                |                 |                     |      |                   |                        |                   |    |                |         |
| ZVP4105A†   | −50               | −175           | −0.52           | −0.8                | −2.0 | −1                | 10                     | −100              | −5 | 0.625          | E-line  |
| BSS84†      | −50               | −130           | −0.52           | −0.8                | −2.0 | −1                | 10                     | −100              | −5 | 0.36           | SOT-23  |

†New product information