

## LVX series

N-Channel, Enhancement type

| Part No. | Absolute Maximum Ratings |                         |                         |                       |                       | Electrical Characteristics           |                                  |                                   | Outline |                |
|----------|--------------------------|-------------------------|-------------------------|-----------------------|-----------------------|--------------------------------------|----------------------------------|-----------------------------------|---------|----------------|
| EIAJ No. | T <sub>ch</sub><br>[°C]  | V <sub>DSS</sub><br>[V] | V <sub>GSS</sub><br>[V] | I <sub>D</sub><br>[A] | P <sub>T</sub><br>[W] | R <sub>DS (ON)</sub><br>(max)<br>[Ω] | t <sub>on</sub><br>(typ)<br>[ns] | t <sub>off</sub><br>(typ)<br>[ns] |         |                |
| 2SK1931  | 150                      | 250                     | ±30                     | 6                     | 40                    | 0.84                                 | 65                               | 80                                | TO-220  | 55-4           |
| 1392     |                          |                         |                         |                       | 25                    |                                      |                                  |                                   | ITO-220 | 54-5           |
| 1393     |                          |                         |                         | 10                    | 50                    | 0.5                                  | 75                               | 100                               | TO-220  | 55-4           |
| 1394     |                          |                         |                         |                       | 30                    |                                      |                                  |                                   | ITO-220 | 54-5           |
| 1395     |                          |                         |                         | 20                    | 100                   | 0.25                                 | 140                              | 160                               | MT0-3P  | 57-3           |
| 1396     |                          |                         |                         | 30                    | 120                   | 0.17                                 | 190                              | 240                               |         |                |
| 1397     |                          |                         |                         | 40                    | 130                   | 0.13                                 | 260                              | 300                               |         |                |
| ☆ 2062   |                          |                         |                         | 10                    | 50                    | 0.5                                  | 75                               | 100                               | STO-220 | 68<br>(SMD 67) |
| ☆ 2063   |                          |                         |                         | 20                    | 60                    | 0.25                                 | 140                              | 160                               |         |                |
| 1810     |                          | 10                      |                         | 50                    | 0.7                   | 75                                   | 100                              | TO-220                            | 55-4    |                |
| 1811     |                          | 20                      |                         | 100                   | 0.35                  | 140                                  | 160                              | MT0-3P                            | 57-3    |                |
| 1812     |                          | 30                      |                         | 120                   | 0.23                  | 190                                  | 240                              |                                   |         |                |
| ☆ 2064   |                          | 300                     |                         | 10                    | 50                    | 0.7                                  | 75                               | 100                               | STO-220 | 68<br>(SMD 67) |
| ☆ 2065   |                          |                         |                         | 20                    | 60                    | 0.35                                 | 140                              | 160                               |         |                |

☆: New products

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|----------|--------------------------|-------------------------|-------------------------|-----------------------|-----------------------|--------------------------------------|----------------------------------|-----------------------------------|---------|------|
| EIAJ No. | T <sub>ch</sub><br>[°C]  | V <sub>DSS</sub><br>[V] | V <sub>GSS</sub><br>[V] | I <sub>D</sub><br>[A] | P <sub>T</sub><br>[W] | R <sub>DS (ON)</sub><br>(max)<br>[Ω] | t <sub>on</sub><br>(typ)<br>[ns] | t <sub>off</sub><br>(typ)<br>[ns] |         |      |
| 2SK1672  | 150                      | 500                     | ±30                     | 1                     | 10                    | 7                                    | 40                               | 65                                | E-pack  | 62-4 |
| 1244     |                          |                         |                         | 3                     | 40                    | 2.3                                  | 45                               | 75                                | TO-220  | 55-4 |
| 1245     |                          |                         |                         |                       | 25                    |                                      |                                  |                                   | ITO-220 | 54-5 |
| 1246     |                          |                         |                         | 5                     | 50                    | 1.4                                  | 50                               | 90                                | TO-220  | 55-4 |
| 1247     |                          |                         |                         |                       | 30                    |                                      |                                  |                                   | ITO-220 | 54-5 |
| 1693     |                          |                         |                         | 8                     | 60                    | 0.85                                 | 60                               | 120                               | TO-220  | 55-4 |
| 1694     |                          |                         |                         |                       | 35                    |                                      |                                  |                                   | ITO-220 | 54-5 |
| 1695     |                          |                         |                         | 10                    | 80                    |                                      |                                  |                                   | MT0-3P  | 57-3 |
| 1696     |                          |                         |                         |                       | 50                    |                                      |                                  |                                   | ITO-3P  | 56-4 |
| 1248     |                          |                         |                         |                       | 100                   | 0.7                                  | 70                               | 143                               | MT0-3P  | 57-3 |
| 1249     |                          |                         |                         | 15                    | 130                   | 0.45                                 | 100                              | 200                               |         |      |
| 1250     |                          |                         |                         | 20                    | 150                   | 0.35                                 | 130                              | 260                               |         |      |
| 1523     |                          |                         |                         | 10                    | 55                    | 0.7                                  | 70                               | 143                               | ITO-3P  | 56-4 |
| 1524     |                          |                         |                         | 15                    | 65                    | 0.45                                 | 100                              | 200                               |         |      |
| 1525     |                          |                         |                         | 20                    | 70                    | 0.35                                 | 130                              | 260                               |         |      |
| 1681     |                          |                         |                         | 30                    | 300                   | 0.23                                 | 240                              | 460                               | MT0-3L  | 58-2 |