

## Trench MOSFET

### N-MOSFET Catalog ( $V_{DS}$ :N60V-N68V)

| Part NO. | Channel | ESD Diode | VDSS (V) | VTH (V) | IDS (A) @T<br>A=25°C | RDS (ON) (mΩ) Typ. at VGS= |      |      | Package |
|----------|---------|-----------|----------|---------|----------------------|----------------------------|------|------|---------|
|          |         |           |          |         |                      | 10V                        | 4.5V | 2.5V |         |
| RU60E2B  | N       | N         | 60       | 1-3     | 0.3                  | 2250                       | 2700 |      | SOT23   |
| 2N7002   | N       | N         | 60       | 1-2.5   | 0.5                  | 4500                       | 5250 |      | SOT23   |
| 2N7002K  | N       | Y         | 60       | 1.35    | 0.2                  | 2500                       | 2500 |      | SOT23   |
| RU60E5H  | N       | Y         | 60       | 1.5-2.7 | 5                    | 60                         | 70   |      | SOP-8   |
| RU60E5D  | N       | Y         | 60       | 1.5-2.7 | 5                    | 58                         | 70   |      | SOT223  |
| RU60D5H  | Dual-N  | Y         | 60       | 1-3     | 5.4                  | 32                         | 40   |      | SOP-8   |
| RU60E6H  | N       | Y         | 60       | 1.5-2.7 | 6                    | 31                         | 37   |      | SOP-8   |
| RU60E16R | N       | Y         | 60       | 1.5-2.7 | 16                   | 60                         | 75   |      | T0-220  |
| RU60E16L | N       | Y         | 60       | 1.5-2.7 | 16                   | 60                         | 75   |      | T0-252  |
| RU60E25R | N       | Y         | 60       | 2-4     | 25                   | 35                         |      |      | T0-220  |
| RU60E25L | N       | Y         | 60       | 1.5-2.7 | 25                   | 35                         | 42   |      | T0-252  |
| RU60E25K | N       | Y         | 60       | 1.5-2.7 | 25                   | 30                         | 40   |      | T0-251  |
| RU602B   | N       | N         | 60       | 2-4     | 1.5                  | 220                        |      |      | SOT23   |
| RU6010H  | N       | Y         | 60       | 1-3     | 10                   | 12                         | 14   |      | SOP-8   |
| RU6050R  | N       | N         | 60       | 2-4     | 50                   | 10                         |      |      | T0-220  |
| RU6050L  | N       | N         | 60       | 2-4     | 50                   | 10                         |      |      | T0-252  |
| RU6050S  | N       | N         | 60       | 2-4     | 50                   | 10                         |      |      | T0-263  |
| RU6051K  | N       | N         | 60       | 1-3     | 50                   | 10                         | 12   |      | T0-251  |
| RU6051M  | N       | N         | 60       | 1-3     | 50                   | 10                         | 12   |      | DFN5060 |
| RU6055R  | N       | N         | 60       | 2-4     | 60                   | 9                          |      |      | T0-220  |
| RU6055L  | N       | N         | 60       | 2-4     | 60                   | 10                         |      |      | T0-252  |
| RU6055S  | N       | N         | 60       | 2-4     | 60                   | 9                          |      |      | T0-263  |
| RU6888M  | N       | N         | 60       | 2-4     | 62                   | 7                          |      |      | DFN5060 |
| RU6070L  | N       | N         | 60       | 2-4     | 70                   | 6                          |      |      | T0-252  |
| RU6080L  | N       | N         | 60       | 2-4     | 80                   | 7                          |      |      | T0-252  |
| RU6085H  | N       | N         | 60       | 1-3     | 20                   | 6                          | 6.5  |      | SOP-8   |
| RU6085L  | N       | N         | 60       | 1-3     | 80                   | 6                          | 6.5  |      | T0-252  |
| RU6085M  | N       | N         | 60       | 1-3     | 80                   | 6                          | 6.5  |      | DFN5060 |
| RU6075R  | N       | N         | 60       | 2-4     | 90                   | 5.5                        |      |      | T0-220  |
| RU60101R | N       | N         | 60       | 2-4     | 100                  | 7                          |      |      | T0-220  |
| RU6099R  | N       | N         | 60       | 2-4     | 120                  | 6                          |      |      | T0-220  |
| RU6099S  | N       | N         | 60       | 2-4     | 120                  | 6                          |      |      | T0-263  |
| RU60120R | N       | N         | 60       | 2-4     | 125                  | 5.5                        |      |      | T0-220  |
| RU60100R | N       | N         | 60       | 2-4     | 130                  | 4                          |      |      | T0-220  |
| RU60190R | N       | N         | 60       | 2-4     | 190                  | 3.7                        |      |      | T0-220  |
| RU6199R  | N       | N         | 60       | 2-4     | 200                  | 2.8                        |      |      | T0-220  |
| RU6199Q  | N       | N         | 60       | 2-4     | 200                  | 2.8                        |      |      | T0-247  |
| RU60200R | N       | N         | 60       | 2-4     | 230                  | 2.5                        |      |      | T0-220  |
| RU60280R | N       | N         | 60       | 2-4     | 280                  | 2.2                        |      |      | T0-220  |
| RU60450Q | N       | N         | 60       | 2-4     | 450                  | 1.3                        |      |      | T0-247  |
| RU6580R  | N       | N         | 65       | 2-4     | 80                   | 7.5                        |      |      | T0-220  |
| RU65110R | N       | N         | 65       | 2-4     | 110                  | 6                          |      |      | T0-220  |
| RU65120R | N       | N         | 65       | 2-4     | 120                  | 4.5                        |      |      | T0-220  |
| RU68130R | N       | N         | 65       | 2-4     | 130                  | 4.5                        |      |      | T0-220  |
| RU6881R  | N       | N         | 68       | 2-4     | 86                   | 6.5                        |      |      | T0-220  |
| RU6888R  | N       | N         | 68       | 2-4     | 88                   | 6                          |      |      | T0-220  |
| RU6888S  | N       | N         | 68       | 2-4     | 88                   | 6                          |      |      | T0-263  |