

Features

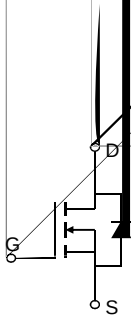
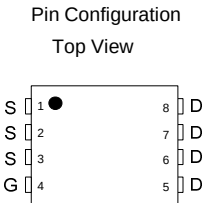
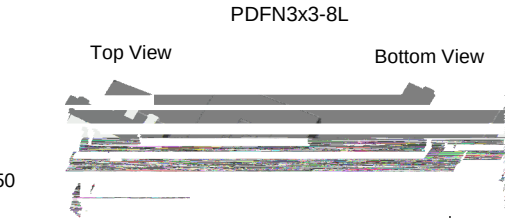
- Low  $R_{DS(ON)}$
- Low Gate Charge
- 100% UIS Tested, 100%  $R_g$  Tested
- Pb-free Lead Plating
- Halogen-free and RoHS-compliant

Applications

- Power Management in Computing, CE, IE 4.0, Communications
- Current Switching in DC/DC & AC/DC (SR) Sub-systems
- Load Switching, Quick/Wireless Charging, Motor Driving

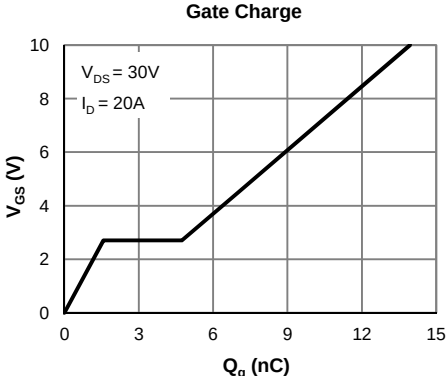
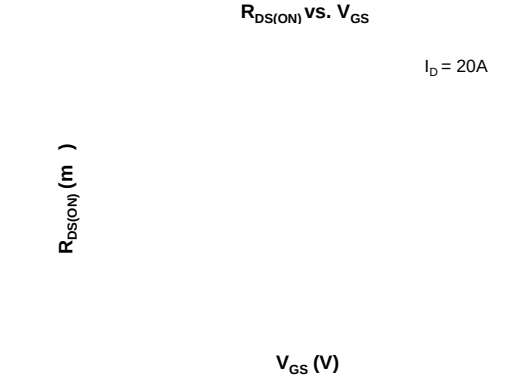
Product Summary

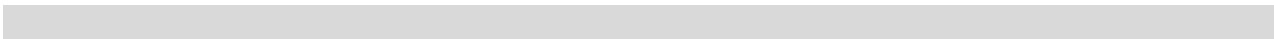
| Parameter         | Value | Unit |
|-------------------|-------|------|
| $V_{DS}$          | 60    | V    |
| $V_{GS(th\_Typ)}$ | 1.6   | V    |
|                   | 38    | A    |
|                   | 10.0  | m    |
|                   | 12.3  | m    |



| Package    | # of Pins | Marking | MSL | $T_J$ (°C) | Media        | Quantity (pcs) |
|------------|-----------|---------|-----|------------|--------------|----------------|
| PDFN3x3-8L | 8         | SL0612A | 1   | -55 to 150 | 13-inch Reel | 5000           |

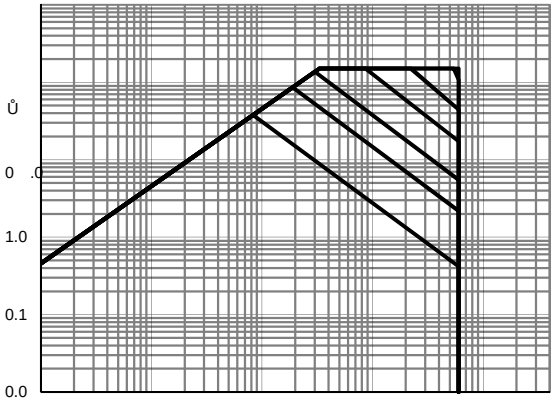
| Symbol                                             | Unit           |
|----------------------------------------------------|----------------|
| Drain-to-Source Voltage                            | $V_{DS}$       |
| Continuous Drain Current $T_C = 25^\circ\text{C}$  | $I_D$          |
| Continuous Drain Current $T_C = 100^\circ\text{C}$ | $I_{DM}$       |
| Pulsed Drain Current $T_J, T_{STG}$                | $I_{AS}$       |
|                                                    | $E_{AS}$       |
|                                                    | $T_J, T_{STG}$ |





[illegible]

Typical Electrical & Thermal Characteristics





JMSL0612AU

PDFN3x3-8L Package Information

