

## General Description

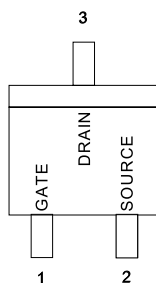
This device is an N-Channel enhancement mode MOSFET, with low on-resistance, fast switching speed and low threshold voltage (2V), it is ideal for portable equipment.

## Applications

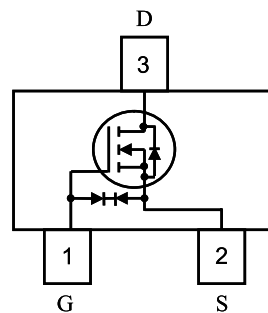
- ◆ Direct Logic-Level Interface: TTL/CMOS
- ◆ Drivers: Relays, Solenoids, Lamps, Hammers
- ◆ Display, Memories, Transistors, etc.
- ◆ Battery Operated Systems
- ◆ Solid-State Relays

## Pin Configuration

SOT-23  
Top View



## Symbol



## Order Information

| Part Number      | Package         | Packing            |
|------------------|-----------------|--------------------|
| ASM2N7002ELT1-LF | SOT-23(Pb-Free) | Tape & Reel MPQ=3k |

## Absolute Maximum Ratings (TA = 25°C unless otherwise specified)

| Parameter                         |              | Symbol     | Rating   | Unit |
|-----------------------------------|--------------|------------|----------|------|
| Drain-source voltage              |              | $V_{DS}$   | 60       | V    |
| Gate-source voltage               |              | $V_{GS}$   | $\pm 20$ | V    |
| Drain current                     | - Continuous | $I_D$      | 300      | mA   |
|                                   | - Pulse      | $I_{DM}$   | 800      |      |
| Total power dissipation (Tc=25°C) |              | $P_D^{*1}$ | 350      | mW   |
| Channel temperature               |              | $T_{CH}$   | -55~+150 | °C   |
| Storage temperature               |              | $T_{STG}$  | -55~+150 | °C   |

Note1. Device mounted on FR-4 PCB, 1 inch x 0.85 inch x 0.062 inches. The rating is for each chip in the package.

A1semi Electronics Ltd . reserves the right to make changes to improve reliability or manufacturability without notice, and customers are advised to obtain the latest version of relevant information prior to placing orders.