

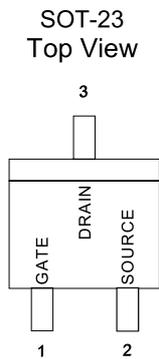
## General Description

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.

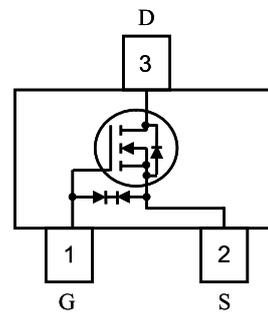
## Applications

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

## Pin Configuration



## 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.