



ACE2310C

N-Channel Plastic-Encapsulate MOSFET

Description

The ACE2310C uses advanced trench technology to provide excellent $R_{DS(ON)}$, low gate charge and operation with gate voltage as low as 2.5V.

This device is suitable for use as a battery protection or in other switching application.

Features

- High power and current handing capability
- Lead free product is acquired
- Surface mount package

Applications

- Battery Switch
- DC/DC Converter

Absolute Maximum Ratings (Ta=25°C unless otherwise noted)

Parameter	Symbol	Max	Unit
Drain-Source Voltage	V_{DS}	60	V
Gate-Source Voltage	V_{GS}	± 20	V
Continuous Drain Current	I_D	3	A
Pulsed Drain Current (note 1)	I_{DM}	10	A
Power Dissipation	P_D	0.35	W
Thermal Resistance from Junction to Ambient (note 2)	$R_{\theta JA}$	357	°C/W
Operation Junction and Storage Temperature Range	T_J, T_{STG}	-55~150	°C

Notes :

1. Repetitive rating: Pulse width limited by junction temperature.
2. Surface mounted on FR4 board, $t \leq 10s$.

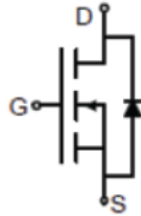
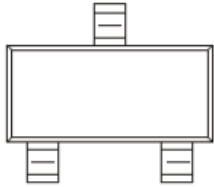


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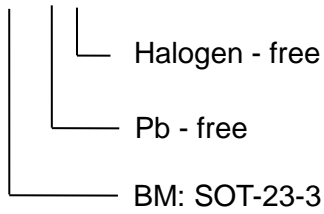
Packaging Type

SOT-23-3



Ordering information

ACE2310C XX + H





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Notes

ACE does not assume any responsibility for use as critical components in life support devices or systems without the express written approval of the president and general counsel of ACE Technology Co., LTD. As used herein:

1. Life support devices or systems are devices or systems which, (a) are intended for surgical implant into the body, or (b) support or sustain life, and whose failure to perform when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in a significant injury to the user.
2. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

ACE Technology Co., LTD.
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