

UNISONIC TECHNOLOGIES CO., LTD

UT2308

Preliminary

Power MOSFET

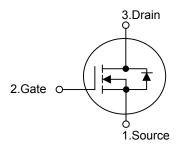
N-CHANNEL ENHANCEMENT MODE

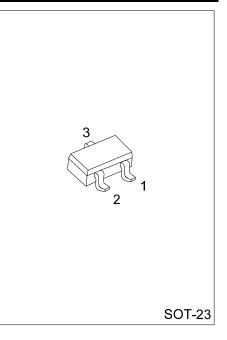
DESCRIPTION

The UTC **UT2308** is N-channel Power MOSFET, designed with high density cell, with fast switching speed, ultra low on-resistance and excellent thermal and electrical capabilities.

Used in commercial and industrial surface mount applications and suited for low voltage applications such as DC/DC converters.

SYMBOL





ORDERING INFORMATION

Ordering Number		Daakaga	Pin Assignment			Deaking
Lead Free	Halogen Free	Package	1	2	3	Packing
UT2308L-AE3-R	UT2308G-AE3-R	SOT-23	S	G	D	Tape Reel

UT2308 <u>L-AE3</u> -R	(1)Packing Type	(1) R: Tape Reel
	(2)Package Type	(2) AE3: SOT-23
	(3)Lead Free	(3) G: Halogen Free, L: Lead Free

MARKING



■ ABSOLUTE MAXIMUM RATINGS (Ta = 25°C, unless otherwise specified)

PARAMETER	SYMBOL	RATINGS	UNIT
Drain-Source Voltage	V _{DSS}	20	V
Gate-Source Voltage	V _{GSS}	±10	V
Continuous Drain Current	I _D	2.7	A
Power Dissipation	PD	1.25	W
Junction Temperature	TJ	+150	°C
Storage Temperature	T _{STG}	-55 ~ +150	°C

Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged. Absolute maximum ratings are stress ratings only and functional device operation is not implied.

■ ELECTRICAL CHARACTERISTICS (Ta =25°C, unless otherwise specified)

 MAX 1.0 ±100 	UNIT V µA nA
-	μA
-	μA
-	•
±100	nA
1.0	V
80	mΩ
110	mΩ
	рF
	рF
	рF
	nC
	nC
	nC
5	80 110 5 3 7

Note:1. Pulse width limited by T_{J(MAX)}

2. Pulse width≤300µs, duty cycle≤2%.

3. Surface mounted on FR4 board $t \le 5$ sec.



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