



/ Revised record



/ Descriptions

SOT23-3 MOS
P- CHANNEL MOSFET in a SOT23-3 Plastic Package.

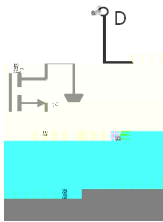
/ Features

$V_{DS} (V) = -12V$
 $I_D = -6 A (V_{GS} = \pm 10V)$
 °

/ Applications

Power Management in Notebook computer, Portable Equipment and Battery powered systems.

/ Equivalent Circuit



/ Pinning

PIN1 G PIN 2 S PIN 3 D

/ Marking

See Marking Instructions.

Marking	A3H
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Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	-12	V
Gate-Source Voltage	V_{GSS}	± 10	V
Continuous Drain Current	$I_D (T_a=25^{\circ}\text{C})$	-6	A
Continuous Drain Current	$I_D (T_a=70^{\circ}\text{C})$	-5.2	A
Pulsed Drain Current	I_{DM}	-20	A
Avalanche Current	I_{AS}	15.1	A
Avalanche energy $L=0.5\text{mH}$	E_{AS}	239.4	mJ
Power Dissipation for Single Operation	P		

Parameter

/ Electrical Characteristic Curve

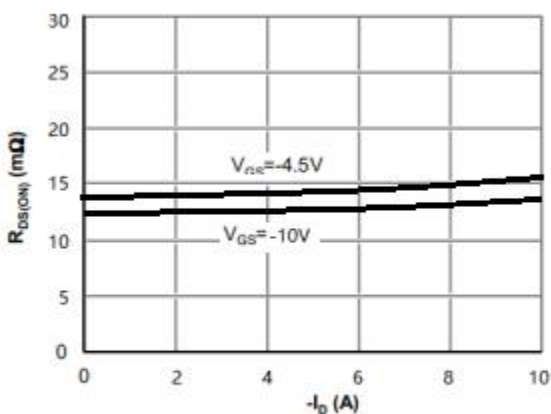
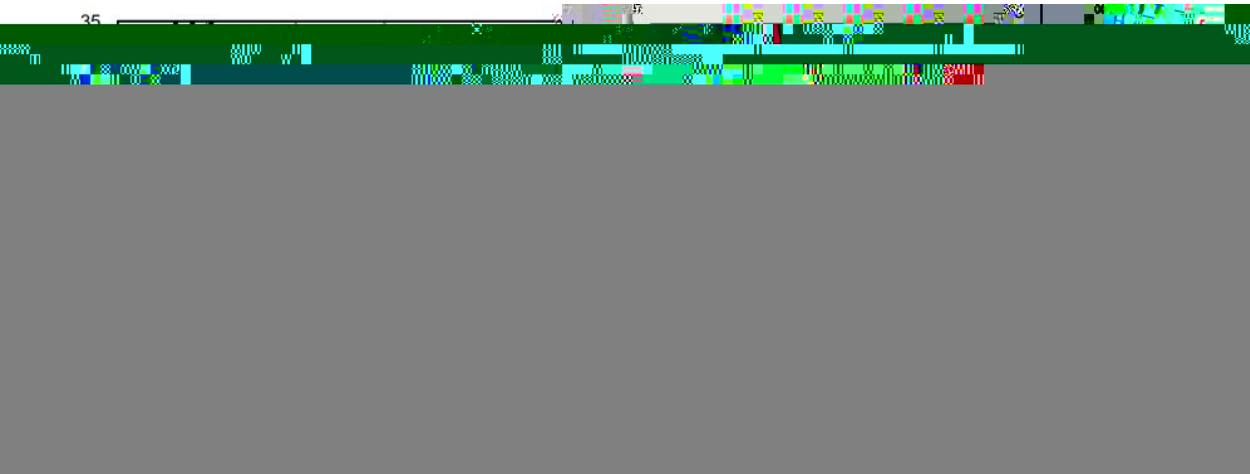


Figure 3: On-Resistance vs. Drain Current and Gate Voltage

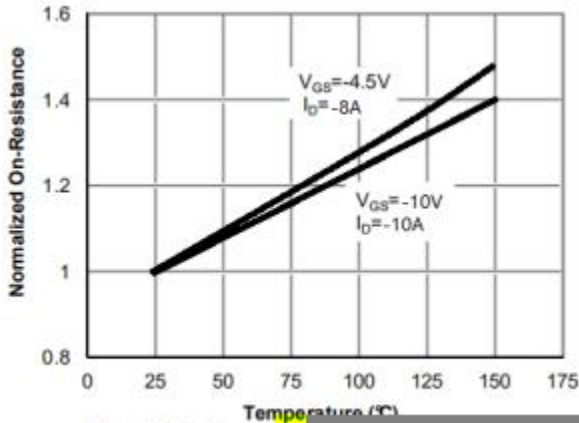
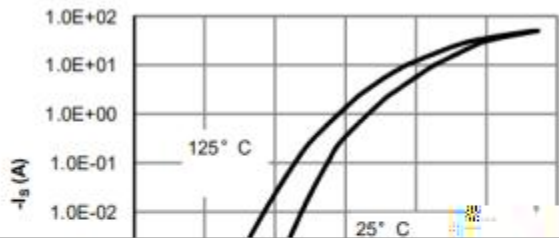
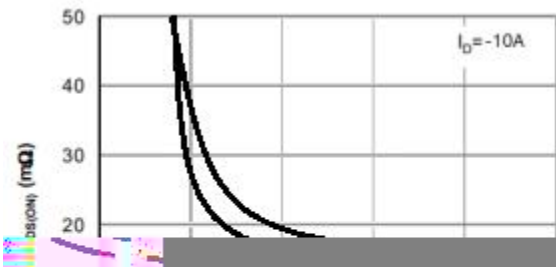


Figure 4: On-Resistance vs. Temperature

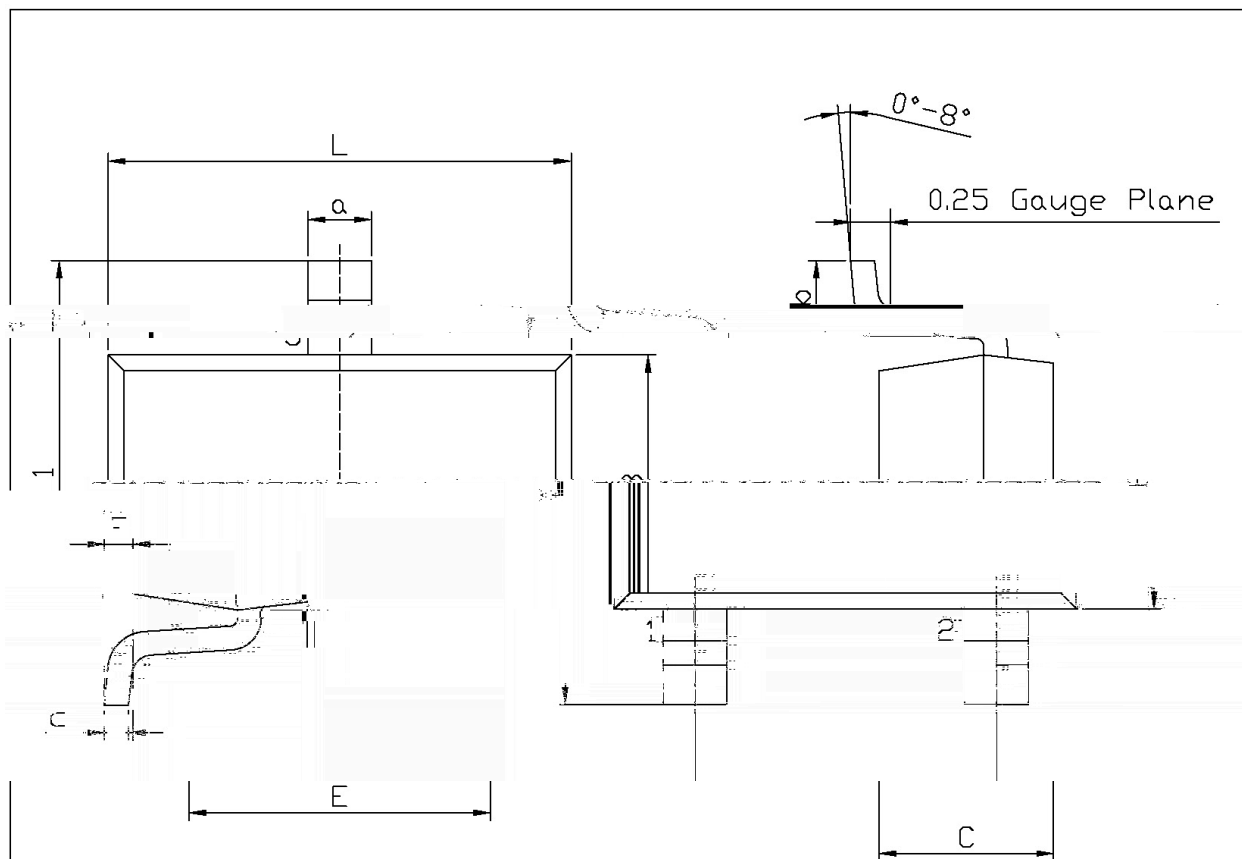


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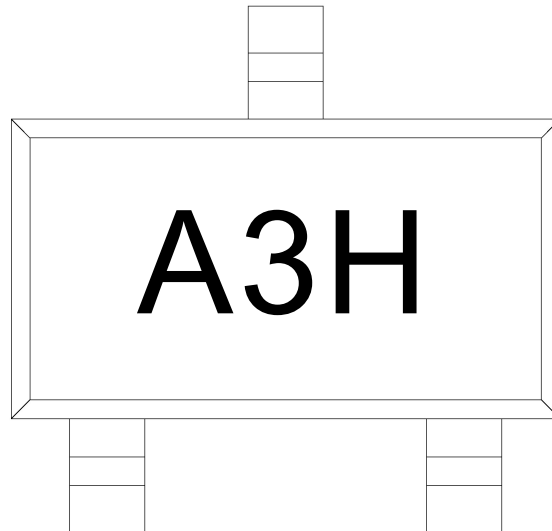
DATA SHEET

/ Package Dimensions

[illegible]



/ Marking Instructions



H:

A3:

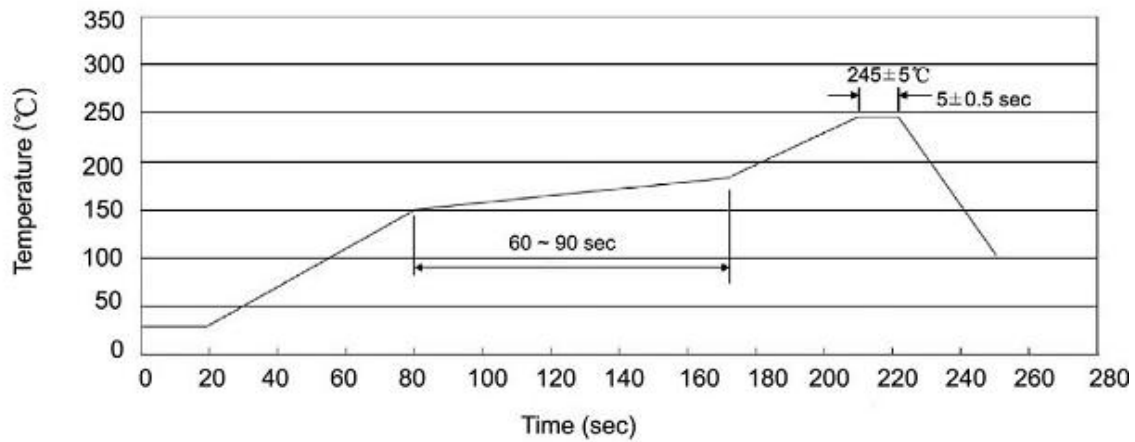
Note:

H: Company Code.

A3 Product Type



() / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- | | | | | | |
|---|-------|-----|-----------|--------|---|
| 1 | 150 | 180 | 60 | 90sec; | 1.Preheating:150~180 , Time:60~90sec. |
| 2 | 245±5 | | 5±0.5sec; | | 2.Peak Temp.:245±5 , Duration:5±0.5sec. |
| 3 | | 2 | 10 | /sec. | 3. Cooling Speed: 2~10 /sec. |

/ Resistance to Soldering Heat Test Conditions

260±5

10±1 sec.

Temp.:260±5

Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
SOT23-3	3,000	10	30,000	4	120,000	7" ×8	210×205×205	445×230×435

/ Notices